NRG Montville Operations Inc.
Montville Generating Station
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January 22, 2013

Mr. Mark R. Lewis
Connecticut Department of Energy and Environmental Protection
79 Elm Street
Hartford, Connecticut 06106

Subject: Semi-Annual Site Status Update
Montville Generating Station, Montville Power LLC, Montville, CT

Dear Mr. Lewis:

Montville Power LLC is submitting the enclosed Semi-Annual Site Status Update for the Montville Generating Station in Montville, Connecticut. This report provides a site status update for the period of June through November 2012.

"I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief. I understand that a false statement in the submitted information may be punishable as a criminal offense, under section 22a-175 of the Connecticut General Statutes, under section 53a-157b of the General Statutes, and in accordance with any other applicable statute."

Should you have any questions or require further information, please call Mr. Ian Cambridge, at (860) 848-6017.

Thank You,

Jeff Araujo
Eastern Connecticut Plant Manager
Montville Power LLC

Enclosure(s)

cc: Bob Spooner, NRG (hard copy and e-copy)
Ian Cambridge, NRG Montville (hard copy and e-copy)
Juan Perez, USEPA (e-copy only)
Andrew D. Walker, LEP, Shaw (hard copy)
File (hard copy and e-copy)

January 22, 2013 Project #: 1009644009.01

Mr. Mark Lewis
Connecticut Department of Energy & Environmental Protection
79 Elm Street
Hartford, Connecticut 06106

Subject: Semi-Annual Site Status Update
Montville Generating Station
Montville, Connecticut

Dear Mr. Lewis:

On behalf of Montville Power LLC (Montville Power), Shaw Environmental & Infrastructure, Inc. (Shaw) has prepared this letter to provide a semi-annual site status update for the subject site. A site location map is provides as **Figure 1** and a Site Plan is provided as **Figure 2**. In addition, Shaw is providing the Connecticut Department of Energy & Environmental Protection (CTDEEP) with the schedule for continuing environmental activities at the site. At this point, Montville Power and its parent company, NRG Energy, Inc. (NRG) are not proposing changes to the schedule presented in July 2012. This report covers the period of June 2012 through November 2012.

SURFACE WATER AND GROUNDWATER SAMPLING – SEPTEMBER 2012

Surface Water Sampling and Analytical Results

Surface water samples were collected from the Thames River during this reporting period on September 27, 2012. The samples were collected at three locations; one upstream of the facility, one at the facility and one just downstream of the site (**Figure 3**). At each location a surface water sample was collected from the approximate center of the standing water column using tubing and a peristaltic pump. Once the tubing was positioned at the appropriate depth, surface water was pumped through a 0.45 micron filter directly into the laboratory supplied sample containers. New tubing and filters were used at each location. The tubing was purged and sample water collected. Based upon previous exceedences of the Remediation Standard Regulation (RSR) criteria in groundwater samples collected near the river, surface water samples were submitted to Accutest Laboratories of Marlborough, Massachusetts for analysis of arsenic. A complete laboratory analytical report is included in **Attachment 1**.

Surface water analytical results from September 2012 are summarized in **Table 1** and indicates that the arsenic concentration detected in the three surface water samples collected on September 27, 2012 were relatively consistent with each other. Arsenic was reported at concentrations of 2.6 micrograms per liter (ug/l) in the upstream sample, 3.9 ug/l in the site sample and 2.7 ug/l in the downstream sample.

Groundwater Sampling

Groundwater monitoring during this reporting period was conducted on September 28, 2012. During this event, groundwater samples were collected from five existing monitoring wells to monitor groundwater concentration trends for metals and to assess compliance with applicable criteria.

During the September 2012 groundwater sampling events, depth to groundwater was measured at each of the monitoring wells using an electronic interface probe (IP). The IP used detects water and light non-aqueous phase liquid (LNAPL), if present, to within accuracy of 0.01 foot. LNAPL was not detected in monitoring wells gauged during this event, which is consistent with previous results. Results of water level monitoring from the September 2012 sampling event are summarized along with prior results in **Table 2**.

Shaw collected groundwater samples from the monitoring wells NRG-MW-5, NRG-MW-6, AOC3-SB1-MW1, NRG-MW-7 and AOC3-SB4-MW2 using a modified low flow sampling technique. Well locations are shown on **Figure 2**. Each well was pumped at a rate that produced little or no draw down while parameters including temperature, pH, oxidation reduction potential (ORP), dissolved oxygen (DO) and conductivity were monitored. Groundwater samples were then collected after the parameters stabilized to ensure that the groundwater sample was representative of local aquifer conditions. Based upon previous exceedences of the RSR criteria in groundwater samples collected at the site, groundwater samples were submitted to Accutest Laboratories of Marlborough, Massachusetts for analysis of select metals including arsenic, beryllium, copper, nickel, vanadium and zinc. A complete laboratory analytical report is included in **Attachment 1**.

Groundwater Results

Groundwater analytical results from the September 2012 sampling event are summarized on **Tables 3** (GA monitoring wells) and **Table 4** (GB monitoring wells). As appropriate, **Tables 3** and **4** compare groundwater analytical results to the Groundwater Protection Criteria (GWPC), Surface Water Protection Criteria (SWPC), Additional SWPC (proposed for vanadium), Alternative SWPC (established for arsenic, beryllium, copper, lead and zinc). Note that the CTDEEP has not yet provided comment or approval of the Additional SWPC proposed in 2009.

The groundwater data from several previous rounds of sampling have indicated that there is little difference between dissolved and total metals concentrations in groundwater at the Montville site (Shaw, 2010). Therefore, at appropriate wells, such as NRG-MW-5, comparison of total metals concentrations to the Water Quality Criteria (WQC) is appropriate (**Table 5**).

Analytical results of groundwater samples collected in September 2012 are summarized and compared to applicable criteria in **Tables 3** (GA groundwater) and **Table 4** (GB groundwater). This comparison indicates the following:

- In the GA area, concentrations of total metals detected at the sample from well NRG-MW5 were below the GWPC and the SWPC (**Table 3**).
- In the GB area of the site, total arsenic concentrations exceeded the default SWPC and the established Alternative SWPC at AOC3-SB1-MW1 (55.2 ug/l) and NRG-MW-6 (263 ug/l), see **Table 4**.

- The total beryllium concentration exceeded the default SWPC at NRG-MW-6 (4.2 ug/l); however, the beryllium level was below the established Alternative SWPC.
- The total copper concentration in each groundwater sample was below the default SWPC and the established Alternative SWPC.
- The total nickel concentration in each groundwater sample was below the default SWPC.
- The total vanadium concentration in each groundwater sample was below established Additional SWPC.
- The total zinc concentration exceeded the default SWPC at NRG-MW-6; however, the zinc concentration was below the established Alternative SWPC.
- The total copper and nickel concentrations detected in the sample collected from NRG-MW5 slightly exceeded the CT Water Quality Criteria (**Table 5**).

The remaining target analytes from groundwater samples collected in September 2012 were either below method detection limits or otherwise indicated compliance with the GWPC, SWPC, Additional SWPC, Alternative SWPC and the WQC.

In September 2011 the concentrations of metals detected in the groundwater samples from AOC3-SB1-MW1 indicated an increase; however, the concentrations detected in sample obtained from this well September 2012 illustrate a decrease to concentrations more consistent with historic results from AOC3-SB1-MW1. The concentrations of metals detected at samples collected from the remaining wells in September 2012 are generally consistent with previous results.

In September 2012, concentrations of arsenic from individual well samples exceeded the default SWPC and the established Alternative SWPC. To further evaluate compliance of this compounds, average concentrations for the arsenic plume during each sampling event were calculated. The average plume concentrations over time are shown in **Graphs 1** in **Attachment 2**. As demonstrated by **Graph 1**, the average plume concentration for arsenic also exceeds default SWPC and the established Alternative SWPC.

Laboratory Analytical - QA/QC Evaluation

Laboratory analysis completed as part of this assessment was conducted in accordance with CTDEEP's Reasonable Confidence Protocol and the site specific Quality Assurance Project Plan (QAPP). The site specific QAPP was developed for the subject site in accordance with EPA guidance (Shaw, 2011). The QAPP presents the requirements and procedures for conducting field sampling activities and investigations at the site so that (1) the data quality objectives specified for this project are met, (2) the field sampling protocols are documented and reviewed in a consistent manner, and (3) scientifically valid and defensible data are collected. Field sampling activities discussed above were completed in general compliance with the QAPP that has been generated for the site.

Shaw requested that laboratory analysis be conducted in accordance with the QAPP and CTDEEP's Reasonable Confidence Protocol (CTDEP, 2007). Shaw performed data validation reviews for each laboratory report and documented the results in data validation worksheets. Data validation worksheets are included with the laboratory reports in **Attachment 1**. These worksheets are consistent with the data quality assessment and data usability evaluations detailed in CTDEEP guidance (CTDEP, 2009)

In general, laboratory analysis were completed in accordance with the site QAPP and CTDEEP's Reasonable Confidence Protocol. However, a few minor quality assurance/quality control (QA/QC) issues, which are

summarized in the validation worksheets and laboratory report narrative, were identified. These identified QA/QC issues resulted in some detection limits and reported results being qualified. Results that were reported less than the reporting limit and greater than the method detection limit were flagged "J" (estimated value). In laboratory report number MC14519 zinc was reported present in the equipment blank sample. As a result, positive results from AOC3-SB4-MW2 and NRG-MW5 were flagged "U" (non-detect). In summary, each of the identified issues had no overall effect on the conclusions drawn from the data, and the data is acceptable for the purposes of this submittal.

ADDITIONAL ENVIRONMENTAL ACTIVITIES

Additional environmental activities completed at the site between June 2012 and November 2012 are described below:

- On August 2, 2012, Montville Power submitted Part 1 Conceptual Engineering Control document dated July 31, 2012 to the CTDEEP. This document outlined the proposed Engineered Controls for the subject site. As discussed in the document, use of an Engineered Control at the site will provide a cover to limit potential exposure to impacted soil/ash that exhibit concentrations of contaminants of concern that are greater than the Industrial/Commercial Direct Exposure Criteria. In addition, portions of the proposed control include a low-permeability cover to address soil exhibiting impacts above the GA Pollutant Mobility Criteria and that pose potential ecological risk. CTDEEP issued approval of the Conceptual Engineering Control in a letter dated September 17, 2012 and requested that Engineered Control Part 2 be submitted by January 16, 2013 or "some other date acceptable to the Department." At the request of Montville Power LLC, on December 31, 2012, Shaw received an email from Maurice Hamel of CTDEEP stating that a submittal date of February 28, 2013 would be acceptable.

- In November 2012, Montville Power initiated additional assessment activities aimed at evaluating potential groundwater remediation in one area of the site. This assessment targeted the area of monitoring wells AOC3-SB1-MW1 and NRG-MW-6, which have exhibited concentrations of arsenic that significantly exceed both the default SWPC and the established Alternative SWPC. This assessment includes monitoring well installation, soil sampling, groundwater modeling, groundwater sampling and conducting groundwater treatability studies to assess potential groundwater remediation options. Once these assessment activities are complete in spring 2013, the results will be summarized and presented to CTDEEP and United States Environmental Protection Agency.

SITE SCHEDULE

Outlined below is the site schedule that Montville Power LLC and its parent company, NRG Energy, Inc., expect to follow through verification. Other than a specific submittal date for the Engineered Control Submittal Part 2 and the Variance Request, and regular groundwater monitoring, the site schedule has not been adjusted since the last submittal in July 2012.

Activity	Anticipated Date
Engineered Control Submittal Part 2 and Variance Request	February 28 2013
Final RAP	2nd Quarter 2013
RAP and Variance Request 45-day Public Comment Period	2nd Quarter 2013
Initiate RAP (i.e., start of final remediation)	3rd Quarter 2013
RAP and SIP Complete (i.e., construction complete)	1st Quarter 2014
RAP & SIP Completion Report	2nd Quarter 2014
Compliance Ground Water Monitoring	July and November 2013
Post Remediation Monitoring	2014
ELUR	2014
Public Notice and Partial Verification with Remediation Standards Regulations	2015

Note that several dates proposed above are contingent on CTDEEP review and approval of an Engineering Control Part II and the Alternative/Additional SWPC.

NRG will continue to provide updates on the status of response actions at the subject site on a semi-annual basis as requested by CTDEEP. Plans, submittals, and reports will be copied to the USEPA.

If you have any questions regarding this letter or any other matter, please do not hesitate to call Andrew Walker at 617.589.6143.

Sincerely,
Shaw Environmental & Infrastructure, Inc.

Andrew D. Walker, LEP, LSP
Project Manager

Enclosures:

Tables

Table 1 – Surface Water Analytical Results
Table 2 - Groundwater Gauging Data (06/26/08 – 09/28/12)
Table 3 – Groundwater Analytical Results – GA Area Metals (06/26/08 – 09/28/12)
Table 4 – Groundwater Analytical Results – GB Area Metals (06/26/08 – 09/28/12)
Table 5 – Groundwater Analytical Results – NRG-MW5 Compared to WQC

Figures

Figure 1 – Site Location Map
Figure 2 - Site Plan
Figure 3 - Surface Water Sampling Locations

Attachments

Attachment 1 - Laboratory Analytical Report
Attachment 2 – Trend Graph

cc: Mr. Ian Cambridge, Montville Power LLC (hard copy and electronic)
Mr. Robert Spooner, NRG (electronic only)
Mr. Juan Perez, USEPA (electronic only)

REFERENCES

CTDEP, 2007. Laboratory Quality Assurance and Quality Control Guidance, Reasonable Confidence Protocols Guidance Document. Connecticut Department of Environmental Protection. November 2007.

CTDEP, 2009. Laboratory Quality Assurance and Quality Control, Data Quality Assessment and Data Usability Evaluation. Connecticut Department of Environmental Protection. May 2009.

Shaw 2010. Semi-annual Site Status Update and Schedule Adjustment Request, Montville Generating Station, Montville, Connecticut. Shaw Environmental, Inc. February 17, 2010.

Shaw 2011. Quality Assurance Project Plan, NRG Montville Generating Station. Shaw Environmental, Inc. March 2008, Revised August 2011.

TABLES

Table 1

Thames River Surface Water Analytical Results

Montville Power LLC

Montville, Connecticut

Constituents		Fresh Chronic WQC	Salt Chronic WQC	Upstream MONT-SW1 9/27/2012	Site MONT-SW2 9/27/2012	Down Stream MONT-SW3 9/27/2012
Arsenic (Dissolved)	(ug/l)	150	36	2.6BJ	3.9BJ	2.7BJ

Notes:

Fresh Chronic WQC = National Oceanic and Atmosperic Administration Water Quality Criteria
Fresh Water - Chronic

Salt Chronic WQC = National Oceanic and Atmosperic Administration Water Quality Criteria
Salt Water - Chronic

ug/l = micrograms per liter.

B = Result is between Internal Detection Limit and
Reporting Limit (inorganics).

J = Estimated value, validation qualifier.

Data has been validated

TABLE 2
GROUNDWATER GAUGING DATA *12/12/12*
(06/26/08 - 09/28/12)

Montville Power LLC
74 Lathrop Road
Montville, Connecticut

Location	Date	Reference Elevation (Feet)	Depth to Water (Feet)	Depth to LNAPL (Feet)	LNAPL Thickness (Feet)	Groundwater Elevation (Feet)	Notes
AOC1-SB2-MW-1	06/26/08	9.53	2.71	--	--	6.82	
AOC1-SB2-MW-1	03/27/09	9.53	2.22	--	--	7.31	
AOC1-SB2-MW-1	05/05/09	9.53	2.17	--	--	7.36	DTB = 9.56'
AOC1-SB2-MW-1	08/18/09	9.53	2.56	--	--	6.97	DTB = 9.65'
AOC1-SB2-MW-1	12/17/09	9.53	2.43	--	--	7.10	
AOC1-SB3-MW-2	06/26/08	7.60	1.23	--	--	6.37	
AOC1-SB4-MW-3	06/27/08	6.96	2.32	--	--	4.64	
AOC1-SB5-MW-4	06/26/08	7.10	2.32	--	--	4.78	
AOC2-SB1-MW-1	06/27/08	6.40	3.30	--	--	3.10	
AOC2-SB2-MW-2	06/27/08	6.77	3.80	--	--	2.97	
AOC3-SB1-MW-1	06/27/08	10.04	7.63	--	--	2.41	
AOC3-SB1-MW-1	03/27/09	10.04	7.18	--	--	2.86	
AOC3-SB1-MW-1	05/05/09	10.04	7.47	--	--	2.57	DTB = 14.80'
AOC3-SB1-MW-1	08/17/09	10.04	7.63	--	--	2.41	DTB = 14.66'
AOC3-SB1-MW-1	12/17/09	10.04	7.45	--	--	2.59	
AOC3-SB1-MW-1	06/16/11	10.04	6.77	--	--	3.27	DTB = 14.68'
AOC3-SB1-MW-1	09/26/11	10.04	7.23	--	--	2.81	DTB = 14.68'
AOC3-SB1-MW-1	09/27/12	10.04	8.01	--	--	2.03	DTB = 14.66'
AOC3-SB4-MW-2	06/26/08	6.51	4.20	--	--	2.31	
AOC3-SB4-MW-2	03/26/09	6.51	4.18	--	--	2.33	
AOC3-SB4-MW-2	05/06/09	6.51	4.11	--	--	2.40	DTB = 12.00'
AOC3-SB4-MW-2	08/18/09	6.51	4.06	--	--	2.45	DTB = 12.06'
AOC3-SB4-MW-2	12/17/09	6.51	3.93	--	--	2.58	
AOC3-SB4-MW-2	06/16/11	6.51	3.73	--	--	2.78	DTB = 11.97'
AOC3-SB4-MW-2	09/26/11	6.51	3.78	--	--	2.73	DTB = 12.00'
AOC3-SB4-MW-2	09/27/12	6.51	4.36	--	--	2.15	DTB = 12.01'
AOC4-MW-200	06/26/08	6.36	2.98	--	--	3.38	
AOC5-MW-201	06/27/08	22.90	2.52	--	--	20.38	
AOC5-MW-201	03/26/09	22.90	2.11	--	--	20.79	
AOC5-MW-201	05/06/09	22.90	2.92	--	--	19.98	DTB = 13.34'
AOC5-MW-201	08/18/09	22.90	2.28	--	--	20.62	DTB = 13.27'
AOC5-MW-201	12/16/09	22.90	1.38	--	--	21.52	
AOC5-MW-202	06/27/08	31.17	9.26	--	--	21.91	
AOC5-MW-202	03/26/09	31.17	8.18	--	--	22.99	
AOC5-MW-202	05/06/09	31.17	7.95	--	--	23.22	DTB = 11.76'
AOC5-MW-202	08/18/09	31.17	8.67	--	--	22.50	DTB = 16.08'
AOC5-MW-202	12/16/09	31.17	7.09	--	--	24.08	
MNV-01S	06/26/08	43.07	10.72	--	--	32.35	
MV-03	06/26/08	12.38	8.30	--	--	4.08	
MV-03	03/27/09	12.38	6.97	--	--	5.41	
MV-03	05/05/09	12.38	7.97	--	--	4.41	DTB = 13.90'
MV-03	08/17/09	12.38	8.53	--	--	3.85	DTB = 14.81'
MV-03	12/17/09	12.38	8.53	--	--	3.85	
MV-06	06/26/08	12.26	8.13	--	--	4.13	
MV-06	03/26/09	12.26	8.02	--	--	4.24	
MV-06	05/05/09	12.26	8.63	--	--	3.63	DTB = 13.88'

Notes: -- = Not Detected NA = Not Available NM = Not Measured DTB = Depth to Bottom
<0.01 = Trace amount LNAPL detected

TABLE 2
GROUNDWATER GAUGING DATA *12/12/12*
(06/26/08 - 09/28/12)

Montville Power LLC
74 Lathrop Road
Montville, Connecticut

Location	Date	Reference Elevation (Feet)	Depth to Water (Feet)	Depth to LNAPL (Feet)	LNAPL Thickness (Feet)	Groundwater Elevation (Feet)	Notes
MV-06	08/17/09	12.26	8.08	--	--	4.18	DTB - 13.74'
MV-06	12/17/09	12.26	8.31	--	--	3.95	
MW-05	06/26/08	11.53	6.23	--	--	5.30	
MW-09	03/26/09	16.92	11.98	--	--	4.94	
MW-09	05/05/09	16.92	11.54	--	--	5.38	DTB = 16.13'
MW-09	08/17/09	16.92	11.78	--	--	5.14	DTB = 16.48'
MW-09	12/17/09	16.92	6.26	--	--	10.66	
MW-11	06/16/11	13.41	5.75	--	--	7.66	DTB = 11.86'
MW-11	09/27/12	13.41	7.04	--	--	6.37	DTB = 11.50'
NRG-MW-01	06/26/08	41.20	27.03	--	--	14.17	
NRG-MW-02	06/26/08	38.99	24.66	--	--	14.33	
NRG-MW-03	06/26/08	54.05	47.93	--	--	6.12	
NRG-MW-03	09/26/11	54.05	43.88	--	--	10.17	DTB = 46.25'
NRG-MW-03	09/26/11	54.05	43.77	--	--	10.28	DTB = 46.22'
NRG-MW-03	09/27/12	54.05	45.42	--	--	8.63	DTB = 45.95'
NRG-MW-05	06/27/08	10.59	10.75	--	--	-0.16	
NRG-MW-05	03/26/09	10.59	9.64	--	--	0.95	
NRG-MW-05	05/06/09	10.59	9.38	--	--	1.21	DTB = 20.25'
NRG-MW-05	08/18/09	10.59	10.62	--	--	-0.03	DTB = 20.26'
NRG-MW-05	12/16/09	10.59	8.18	--	--	2.41	
NRG-MW-05	06/16/11	10.59	10.10	--	--	0.49	DTB = 20.25'
NRG-MW-05	09/26/11	10.59	9.45	--	--	1.14	DTB = 20.28'
NRG-MW-05	09/28/12	10.59	10.96	--	--	-0.37	DTB = 20.29'
NRG-MW-06	06/27/08	12.99	10.50	--	--	2.49	
NRG-MW-06	03/27/09	12.99	10.28	--	--	2.71	
NRG-MW-06	05/05/09	12.99	10.29	--	--	2.70	DTB = 22.02'
NRG-MW-06	08/17/09	12.99	10.43	--	--	2.56	DTB = 19.50'
NRG-MW-06	12/17/09	12.99	10.51	--	--	2.48	
NRG-MW-06	06/16/11	12.99	9.76	--	--	3.23	DTB = 22.03'
NRG-MW-06	09/26/11	12.99	9.78	--	--	3.21	DTB = 27.05'
NRG-MW-06	09/27/12	12.99	10.80	--	--	2.19	DTB = 21.53'
NRG-MW-07	06/26/08	8.05	7.31	--	--	0.74	
NRG-MW-07	03/26/09	8.05	6.61	--	--	1.44	
NRG-MW-07	05/05/09	8.05	7.06	--	--	0.99	DTB = 17.38'
NRG-MW-07	08/17/09	8.05	7.15	--	--	0.90	DTB = 17.25'
NRG-MW-07	12/16/09	8.05	7.03	--	--	1.02	
NRG-MW-07	06/16/11	8.05	6.30	--	--	1.75	DTB = 17.22'
NRG-MW-07	09/26/11	8.05	6.41	--	--	1.64	DTB = 17.21'
NRG-MW-07	09/28/12	8.05	7.05	--	--	1.00	DTB = 17.22'
NRG-MW-08	06/27/08	44.31	25.46	--	--	18.85	
NRG-MW-08	03/27/09	44.31	30.50	--	--	13.81	
NRG-MW-08	05/06/09	44.31	30.13	--	--	14.18	DTB = 40.37'
NRG-MW-08	08/18/09	44.31	30.60	--	--	13.71	DTB = 40.38'
NRG-MW-08	12/15/09	44.31	30.60	--	--	13.71	

Notes: -- = Not Detected NA = Not Available NM = Not Measured DTB = Depth to Bottom
<0.01 = Trace amount LNAPL detected

Table 3
Groundwater Analytical Results
GA Area, Total Metals
(6/27/2008-9/28/2012)
Montville Power LLC
Montville, CT

CONSTITUENT (ug/L)	GWPC GA	SWPC	Montville Additional SWPC	Montville Alternative SWPC	AOC5-MW-201 6/27/2008 Primary	AOC5-MW-201 5/6/2009 Primary	AOC5-MW-201 8/18/2009 Primary	AOC5-MW-201 12/16/2009 Primary	AOC5-MW-202 6/27/2008 Primary	NRG-MW-03 9/26/2011 Primary	NRG-MW-05 6/27/2008 Primary	NRG-MW-05 5/6/2009 Primary	NRG-MW-05 8/18/2009 Primary
Aluminum	NE	NE	NE	NE	---	<31	45.3BJ	60.4BJ	---	---	---	<31	<40
Antimony	6	86000	NE	NE	<1.3	<3.0	<1.6	<1.6	<1.3	---	<1.3	<3.0	<1.6
Arsenic	10	4	NE	27	<0.97	<3.2	<1.8	<1.8	<0.97	<4.0	**{8.2}**	**{4.6}**	**{8.3}**
Barium	1000	NE	NE	NE	---	20.0BJ	23.9BJ	22.4BJ	---	---	---	76.6BJ	81.2BJ
Beryllium	4	4	NE	20	<0.18	<0.30	<0.40	<0.40	<0.18	<4.0	<0.18	<0.30	<0.40
Cadmium	5	6	NE	NE	<0.25	<0.30	<1.9	<1.9	<0.25	---	<0.25	<0.30	<1.9
Calcium	NE	NE	NE	NE	---	19100	22700	26300	---	---	---	13800	13500
Chromium	100	110	NE	NE	<0.72	<1.4	<1.1	<1.1	1.0BJ	---	<0.72	<1.4	<1.1
Cobalt	NE	NE	NE	NE	---	<1.0	0.30BJ	<0.30	---	---	---	7.1BJ	6.5BJ
Copper	1300	48	NE	7969	<2.7	<1.8	<4.0	<4.0	<2.7	<25	<2.7	<1.8	<4.0
Iron	NE	NE	NE	NE	---	619	1700	1230	---	---	---	4900	4010
Lead	15	13	NE	2532	<1.8	<1.8	<2.7	<2.7	<1.8	---	<1.8	<1.8	<2.7
Magnesium	NE	NE	NE	NE	---	3910BJ	4410BJ	5330	---	---	---	2640BJ	2420BJ
Manganese	NE	NE	NE	NE	---	6.7BJ	10.3BJ	8.6BJ	---	---	---	667	566
Mercury	2	0.4	NE	NE	<0.033	<0.048	<0.048	<0.048	<0.033	---	<0.033	<0.048	0.080BJ
Nickel	100	880	NE	NE	0.40BJ	<1.0	1.3BJ	<1.3	0.70BJ	<40	15.5BJ	10BJ	9.2BJ
Potassium	NE	NE	NE	NE	---	1380BJ	1840BJ	2040BJ	---	---	---	2940BJ	3980BJ
Selenium	50	50	NE	NE	<2.0	<3.3	<3.5	<3.5	<2.0	---	<2.0	<3.3	<3.5
Silver	36	12	NE	NE	<0.57	<0.70	<1.3	<1.3	<0.57	---	<0.57	<0.70	<1.3
Sodium	NE	NE	NE	NE	---	24600	27900	27500	---	---	---	6150	6750
Thallium	5	63	NE	NE	<0.88	<4.5	<1.3	<1.3	<0.88	---	<0.88	<4.5	<1.3
Vanadium	50	NE	119814	NE	<0.83	<3.5	<1.6	<1.6	<0.83	<10	8.7BJ	<3.5	2.3BJ
Zinc	5000	123	NE	96734	7.4BJ	9.4BJ	9.6BJ	<1.5	3.7BJ	<20	28.1	31.8	19.2BJ

Notes:
NE = Not established.
--- = Not sampled for.
GWPC-GA = Groundwater Protection Criteria, GA Areas
SWPC = Surface Water Protection Criteria
Montville Additional SWPC = Site specific additional SWPC
Montville Alternative SWPC = Site specific alternative SWPC
<1.3 = Analyte not detected at indicated detection limit.
ug/l = micrograms per liter.
B = Result is between Internal Detection Limit and Reprting Limit (inorganics).
J = Estimated value.
U = Result determined to be non-detect at indicated detection limit, based on validation protocol.
{BOLD} = Result is higher than one or more of the standards
Data has been validated

Table 3
Groundwater Analytical Results
GA Area, Total Metals
(6/27/2008-9/28/2012)
Montville Power LLC
Montville, CT

CONSTITUENT (ug/L)	GWPC GA	SWPC	Montville Additional SWPC	Montville Alternative SWPC	NRG-MW-05 12/16/2009 Primary	NRG-MW-05 6/16/2011 Primary	NRG-MW-05 9/26/2011 Primary	NRG-MW-05 9/28/2012 Primary	NRG-MW-08 6/27/2008 Primary	NRG-MW-08 5/6/2009 Primary	NRG-MW-08 8/18/2009 Primary	NRG-MW-08 12/15/2009 Primary
Aluminum	NE	NE	NE	NE	<40	---	---	---	---	<31	52.3BJ	567
Antimony	6	86000	NE	NE	<1.6	---	---	---	<1.3	<3.0	<1.6	<1.6
Arsenic	10	4	NE	27	3.2BJ	<4.0	1.8BJ	2.1BJ	<0.97	<3.2	<1.8	<1.8
Barium	1000	NE	NE	NE	78.7BJ	---	---	---	---	11.1BJ	15.4BJ	13.6BJ
Beryllium	4	4	NE	20	<0.40	<4.0	<0.24	<0.28	<0.18	<0.30	<0.40	<0.40
Cadmium	5	6	NE	NE	<1.9	---	---	---	<0.25	<0.30	<1.9	<1.9
Calcium	NE	NE	NE	NE	11800	---	---	---	---	12200	12800	11700
Chromium	100	110	NE	NE	<1.1	---	---	---	<0.72	<1.4	<1.1	1.2BJ
Cobalt	NE	NE	NE	NE	7.6BJ	---	---	---	---	<1.0	<0.30	0.80BJ
Copper	1300	48	NE	7969	<4.0	<25	<2.5	3.2BJ	<2.7	<1.8	<4.0	<4.0
Iron	NE	NE	NE	NE	2130	---	---	---	---	<29	112	1240
Lead	15	13	NE	2532	<2.7	---	---	---	<1.8	<1.8	<2.7	<2.7
Magnesium	NE	NE	NE	NE	2200BJ	---	---	---	---	2280BJ	2360BJ	2410BJ
Manganese	NE	NE	NE	NE	446	---	---	---	---	7.7BJ	10.7BJ	37.8
Mercury	2	0.4	NE	NE	<0.048	---	---	---	<0.033	<0.048	<0.048	<0.048
Nickel	100	880	NE	NE	8.4BJ	<40	9.9BJ	9.0BJ	2.1BJ	4.6BJ	5.9BJ	14.7BJ
Potassium	NE	NE	NE	NE	3720BJ	---	---	---	---	3500BJ	3930BJ	4090BJ
Selenium	50	50	NE	NE	<3.5	---	---	---	<2.0	<3.3	<3.5	<3.5
Silver	36	12	NE	NE	<1.3	---	---	---	<0.57	<0.70	<1.3	<1.3
Sodium	NE	NE	NE	NE	7310	---	---	---	---	12900	13100	17500
Thallium	5	63	NE	NE	<1.3	---	---	---	<0.88	<4.5	<1.3	<1.3
Vanadium	50	NE	119814	NE	3.2BJ	<10	<1.5	1.5BJ	<0.83	<3.5	<1.6	1.7BJ
Zinc	5000	123	NE	96734	20	20	25.3	<23.7U	10.1BJ	9.5BJ	24.5	11.1BJ

Notes:

NE = Not established.

--- = Not sampled for.

GWPC-GA = Groundwater Protection Criteria, GA Areas

SWPC = Surface Water Protection Criteria

Montville Additional SWPC = Site specific additional SWPC

Montville Alternative SWPC = Site specific alternative SWPC

<1.3 = Analyte not detected at indicated detection limit.

ug/l = micrograms per liter.

B = Result is between Internal Detection Limit and Reprting Limit (inorganics).

J = Estimated value.

U = Result determined to be non-detect at indicated detection limit, based on validation protocol.

{BOLD} = Result is higher than one or more of the standards

Data has been validated

Table 4
Groundwater Analytical Results
GB Area, Total Metals
(6/26/2008- 9/28/2012)
Montville Power LLC
Montville, CT

CONSTITUENT (ug/L)	SWPC	Montville Additional SWPC	Montville Alternative SWPC	AOC1-SB2-MW-1 5/5/2009 Primary	AOC1-SB2-MW-1 8/18/2009 Primary	AOC1-SB2-MW-1 12/17/2009 Primary	AOC1-SB3-MW-2 6/26/2008 Primary	AOC1-SB4-MW-3 6/27/2008 Primary	AOC1-SB5-MW-4 6/26/2008 Primary	AOC3-SB1-MW-1 6/27/2008 Primary
Aluminum	NE	NE	NE	154BJ	86.5BJ	302	---	---	---	---
Antimony	86000	NE	NE	<3.0	<1.6	<1.6	<1.3	<1.3	1.5BJ	1.3BJ
Arsenic	4	NE	27	<3.2	<1.8	<1.8	<0.97	<0.97	<0.97	**{29.3}**
Barium	NE	NE	NE	23.5BJ	17.5BJ	17.8BJ	---	---	---	---
Beryllium	4	NE	20	<0.30	<0.40	<0.40	<0.18	<0.18	<0.18	3.7BJ
Cadmium	6	NE	NE	<0.30	<1.9	<1.9	<0.25	0.70BJ	1.6BJ	1.0BJ
Calcium	NE	NE	NE	11200	10100	10500	---	---	---	---
Chromium	110	NE	NE	<1.4	<1.1	<1.1	<0.72	<0.72	<0.72	7.3BJ
Cobalt	NE	NE	NE	<1.0	0.50BJ	0.30BJ	---	---	---	---
Copper	48	NE	7969	<1.8	<4.0	<4.0	<2.7	2.8BJ	<2.7	**{58.3}**
Iron	NE	NE	NE	45.7BJ	51.4BJ	249	---	---	---	---
Lead	13	NE	2532	<1.8	<2.7	<2.7	<1.8	2.1BJ	2.5BJ	3.4BJ
Magnesium	NE	NE	NE	1690BJ	1560BJ	1520BJ	---	---	---	---
Manganese	NE	NE	NE	36.4	13.9BJ	16.6	---	---	---	---
Mercury	0.4	NE	NE	<0.048	0.055BJ	<0.048	0.035BJ	<0.033	<0.033	<0.033
Nickel	880	NE	NE	20.4BJ	2.1BJ	2.4BJ	0.40BJ	1.3BJ	1.4BJ	112
Potassium	NE	NE	NE	2350BJ	2020BJ	1860BJ	---	---	---	---
Selenium	50	NE	NE	<3.3	<3.5	<3.5	<2.0	<2.0	<2.0	<2.0
Silver	12	NE	NE	<0.70	<1.3	<1.3	<0.57	<0.57	<0.57	<0.57
Sodium	NE	NE	NE	17500	19900	13200	---	---	---	---
Thallium	63	NE	NE	<4.5	1.6BJ	<1.3	<0.88	<0.88	<0.88	<0.88
Vanadium	NE	119814	NE	<3.5	1.9BJ	6.8BJ	<0.83	<0.83	1.5BJ	21.2BJ
Zinc	123	NE	96734	34.2	17.2BJ	13.3BJ	47.2	**{126}**	**{178}**	**{176}**

Notes:
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Shading = Result is higher than alternative SWPC
Data has been validated

Table 4
Groundwater Analytical Results
GB Area, Total Metals
(6/26/2008- 9/28/2012)
Montville Power LLC
Montville, CT

CONSTITUENT (ug/L)	SWPC	Montville Additional SWPC	Montville Alternative SWPC	AOC3-SB1-MW-1 5/5/2009 Primary	AOC3-SB1-MW-1 5/5/2009 Duplicate 1	AOC3-SB1-MW-1 8/17/2009 Primary	AOC3-SB1-MW-1 12/17/2009 Primary	AOC3-SB1-MW-1 6/16/2011 Primary	AOC3-SB1-MW-1 9/26/2011 Primary	AOC3-SB1-MW-1 9/27/2012 Primary
Aluminum	NE	NE	NE	14100	14100	6260	50100	---	---	---
Antimony	86000	NE	NE	<3.0	<3.0	<1.6	<1.6	---	---	---
Arsenic	4	NE	27	**{16.0}**	**{12.0}**	**{28.7}**	**{28.1}**	**{303}**	**{2160}**	**{55.2}**
Barium	NE	NE	NE	21.8BJ	22.9BJ	35.7BJ	13.9BJ	---	---	---
Beryllium	4	NE	20	3.0BJ	3.1BJ	2.3BJ	**{7.7}**	**{36.8}**	**{13.5}**	2.7BJ
Cadmium	6	NE	NE	0.52BJ	0.63BJ	<1.9	3.3BJ	---	---	---
Calcium	NE	NE	NE	12600	12700	12100	22500	---	---	---
Chromium	110	NE	NE	3.3BJ	3.2BJ	1.7BJ	28.5	---	---	---
Cobalt	NE	NE	NE	17.5BJ	16.9BJ	10.0BJ	112	---	---	---
Copper	48	NE	7969	6.2BJ	6.7BJ	4.8BJ	**{112}**	**{463}**	**{523}**	3.0BJ
Iron	NE	NE	NE	32500	32200	27000	179000	---	---	---
Lead	13	NE	2532	<1.8	<1.8	<2.7	4.0BJ	---	---	---
Magnesium	NE	NE	NE	2100BJ	2080BJ	2140BJ	6750	---	---	---
Manganese	NE	NE	NE	94.9	94.6	85.8	612	---	---	---
Mercury	0.4	NE	NE	<0.048	<0.048	<0.048	<0.048	---	---	---
Nickel	880	NE	NE	49.3	48.8	40.1	470	**{1980}**	690	39.8BJ
Potassium	NE	NE	NE	2830BJ	2790BJ	4020BJ	4050BJ	---	---	---
Selenium	50	NE	NE	<3.3	<3.3	<3.5	4.0BJ	---	---	---
Silver	12	NE	NE	<0.70	<0.70	<1.3	<1.3	---	---	---
Sodium	NE	NE	NE	10400J	10300	11400	8700	---	---	---
Thallium	63	NE	NE	<4.5	<4.5	<1.3	<1.3	---	---	---
Vanadium	NE	119814	NE	6.9BJ	7.0BJ	14.2BJ	49.2	1340	1750	27.2
Zinc	123	NE	96734	82.6	85.2	73	**{440}**	**{2620}**	**{1180}**	93.4

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ug/l = micrograms per liter.
B = Result is between Internal Detection Limit and Reporting Limit (inorganics).
J = Estimated value.
U = Result determined to be non-detect at indicated detection limit, based on validation protocol.
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Shading = Result is higher than alternative SWPC
Data has been validated

Table 4
Groundwater Analytical Results
GB Area, Total Metals
(6/26/2008- 9/28/2012)
Montville Power LLC
Montville, CT

CONSTITUENT (ug/L)	SWPC	Montville Additional SWPC	Montville Alternative SWPC	AOC3-SB4-MW-2 6/26/2008 Primary	AOC3-SB4-MW-2 5/6/2009 Primary	AOC3-SB4-MW-2 8/18/2009 Primary	AOC3-SB4-MW-2 12/17/2009 Primary	AOC3-SB4-MW-2 6/16/2011 Primary	AOC3-SB4-MW-2 9/26/2011 Primary	AOC3-SB4-MW-2 9/27/2012 Primary	MV-03 6/26/2008 Primary
Aluminum	NE	NE	NE	---	31.0BJ	40.3BJ	<40	---	---	---	---
Antimony	86000	NE	NE	2.1BJ	<3.0	<1.6	<1.6	---	---	---	<1.3
Arsenic	4	NE	27	**{13.4}**	3.7BJ	3.0BJ	3.9BJ	**{8.3}**	<4.0	**{7.7}**	<0.97
Barium	NE	NE	NE	---	8.1BJ	12.6BJ	9.9BJ	---	---	---	---
Beryllium	4	NE	20	<0.18	<0.30	<0.40	<0.40	<4.0	<4.0	<0.28	<0.60BU
Cadmium	6	NE	NE	<0.25	<0.30	<1.9	<1.9	---	---	---	0.70BJ
Calcium	NE	NE	NE	---	11400	16500	11200	---	---	---	---
Chromium	110	NE	NE	<0.72	<1.4	<1.1	<1.1	---	---	---	<0.72
Cobalt	NE	NE	NE	---	<1.0	<0.30	0.70BJ	---	---	---	---
Copper	48	NE	7969	<2.7	<1.8	<4.0	<4.0	<25	<25	2.6BJ	8.9BJ
Iron	NE	NE	NE	---	2150	4820	1220	---	---	---	---
Lead	13	NE	2532	2.3BJ	1.8BJ	<2.7	<2.7	---	---	---	<1.8
Magnesium	NE	NE	NE	---	1970BJ	2930BJ	2260BJ	---	---	---	---
Manganese	NE	NE	NE	---	23.3	40.8	22.2	---	---	---	---
Mercury	0.4	NE	NE	<0.033	<0.048	<0.048	<0.048	---	---	---	<0.033
Nickel	880	NE	NE	3.1BJ	6.1BJ	2.7BJ	7.8BJ	<40	<40	<0.70	116
Potassium	NE	NE	NE	---	2920BJ	4440BJ	3180BJ	---	---	---	---
Selenium	50	NE	NE	<2.0	<3.3	<3.5	<3.5	---	---	---	<2.0
Silver	12	NE	NE	<0.57	<0.70	<1.3	<1.3	---	---	---	<0.57
Sodium	NE	NE	NE	---	11200J	11400	20200	---	---	---	---
Thallium	63	NE	NE	<0.88	<4.5	<1.3	<1.3	---	---	---	<0.88
Vanadium	NE	119814	NE	<0.83	<3.5	<1.6	<1.6	<10	<10	1.7BJ	1.2BJ
Zinc	123	NE	96734	<13.7BU	12.8BJ	14.6BJ	7.8BJ	<20	20.9	<8.2BU	103

Notes:
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Montville Alternative SWPC = Site specific alternative SWPC
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Data has been validated

Table 4
Groundwater Analytical Results
GB Area, Total Metals
(6/26/2008- 9/28/2012)
Montville Power LLC
Montville, CT

CONSTITUENT (ug/L)	SWPC	Montville Additional SWPC	Montville Alternative SWPC	MV-03 5/5/2009 Primary	MV-03 8/17/2009 Primary	MV-03 12/17/2009 Primary	MV-06 6/26/2008 Primary	MV-06 5/5/2009 Primary	MV-06 8/17/2009 Primary	MV-06 12/17/2009 Primary	NRG-MW-06 6/27/2008 Primary	NRG-MW-06 5/5/2009 Primary	NRG-MW-06 8/17/2009 Primary	NRG-MW-06 8/17/2009 Duplicate 1
Aluminum	NE	NE	NE	1580	1430	1630	---	<31	<40	<40	---	23000	14600	14900
Antimony	86000	NE	NE	<3.0	<1.6	<1.6	<1.3	<3.0	<1.6	<1.6	2.2BJ	<3.0	<1.6	<1.6
Arsenic	4	NE	27	<3.2	<1.8	<1.8	<0.97	<3.2	<1.8	<1.8	**{225}**	**{202}**	**{218}**	**{226}**
Barium	NE	NE	NE	15.5BJ	17.1BJ	12.6BJ	---	43.1BJ	34.7BJ	30.3BJ	---	27.1BJ	31.4BJ	32.1BJ
Beryllium	4	NE	20	0.67BJ	0.80BJ	0.80BJ	<0.18	<0.30	<0.40	<0.40	**{5.3}**	**{6.8}**	**{6.2}**	**{6.4}**
Cadmium	6	NE	NE	0.46BJ	<1.9	<1.9	<0.25	<0.30	<1.9	<1.9	<0.25	0.76BJ	1.9BJ	2.3BJ
Calcium	NE	NE	NE	19300	23300	24300	---	10100	8890	8490	---	18800	18200	18800
Chromium	110	NE	NE	<1.4	<1.1	<1.1	<0.72	<1.4	<1.1	<1.1	1.7BJ	1.6BJ	2.1BJ	2.1BJ
Cobalt	NE	NE	NE	7.0BJ	6.5BJ	5.8BJ	---	<1.0	<0.30	<0.30	---	38.3BJ	24.1BJ	25.4BJ
Copper	48	NE	7969	5.2BJ	6.4BJ	5.1BJ	<2.7	<1.8	<4.0	<4.0	<2.7	<1.8	<4.0	<4.0
Iron	NE	NE	NE	323	85.5BJ	62.2BJ	---	<29	17.8BJ	<13	---	206000	138000	138000
Lead	13	NE	2532	<1.8	<2.7	<2.7	<1.8	<1.8	<2.7	<2.7	2.8BJ	<1.8	<2.7	<2.7
Magnesium	NE	NE	NE	4510BJ	6000	7050	---	2010BJ	1690BJ	1680BJ	---	4590BJ	4160BJ	4190BJ
Manganese	NE	NE	NE	397	326	310	---	1.9BJ	1.9BJ	1.5BJ	---	665	471	492
Mercury	0.4	NE	NE	<0.048	<0.048	<0.048	<0.033	<0.048	<0.048	<0.048	<0.033	<0.048	<0.048	<0.48
Nickel	880	NE	NE	106	81.1	66.4	0.40BJ	<1.0	<1.3	<1.3	180	203	159	161
Potassium	NE	NE	NE	2810BJ	4000BJ	3070BJ	---	4080BJ	4700BJ	4740BJ	---	5060	7190	7220
Selenium	50	NE	NE	<3.3	<3.5	<3.5	<2.0	<3.3	<3.5	<3.5	3.9BJ	<3.3	<3.5	<3.5
Silver	12	NE	NE	<0.70	<1.3	<1.3	<0.57	<0.70	<1.3	<1.3	<0.57	<0.70	<1.3	<1.3
Sodium	NE	NE	NE	8230	10900	8610	---	10600	9940	9260	---	8010	10800	10800
Thallium	63	NE	NE	<4.5	<1.3	<1.3	<0.88	<4.5	<1.3	<1.3	<0.88	<4.5	<1.3	<1.3
Vanadium	NE	119814	NE	4.9BJ	<1.6	<1.6	<0.83	<3.5	<1.6	<1.6	3330	3900	3060	3060
Zinc	123	NE	96734	88.8	75.6	61.8	<6.8BU	10.6BJ	13.5BJ	3.4BJ	**{184}**	**{251}**	**{183}**	**{189}**

Notes:
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--- = Not sampled for.
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<1.3 = Analyte not detected at indicated detection limit.
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J = Estimated value.
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Shading = Result is higher than alternative SWPC
Data has been validated

Table 4
Groundwater Analytical Results
GB Area, Total Metals
(6/26/2008- 9/28/2012)
Montville Power LLC
Montville, CT

CONSTITUENT (ug/L)	SWPC	Montville Additional SWPC	Montville Alternative SWPC	NRG-MW-06 12/17/2009 Primary	NRG-MW-06 12/17/2009 Duplicate 1	NRG-MW-06 6/16/2011 Primary	NRG-MW-06 6/16/2011 Duplicate 1	NRG-MW-06 9/26/2011 Primary	NRG-MW-06 9/26/2011 Duplicate 1	NRG-MW-06 9/27/2012 Primary	NRG-MW-06 9/27/2012 Duplicate 1	NRG-MW-07 6/26/2008 Primary	NRG-MW-07 6/26/2008 Duplicate 1
Aluminum	NE	NE	NE	20400	20000	---	---	---	---	---	---	---	---
Antimony	86000	NE	NE	2.3BJ	<1.6	---	---	---	---	---	---	<1.3	<1.3
Arsenic	4	NE	27	**{259}**	**{258}**	**{226}**	**{222}**	**{251}**	**{242}**	**{263}**	**{263}**	**{28.6}**	**{28.7}**
Barium	NE	NE	NE	28.9BJ	29.1BJ	---	---	---	---	---	---	---	---
Beryllium	4	NE	20	**{6.4}**	**{6.3}**	**{5.5}**	**{5.2}**	**{6.2}**	**{5.5}**	**{4.2}**	**{4.1}**	<0.18	<0.18
Cadmium	6	NE	NE	<1.9	<1.9	---	---	---	---	---	---	<0.25	<0.25
Calcium	NE	NE	NE	25400	25200	---	---	---	---	---	---	---	---
Chromium	110	NE	NE	1.5BJ	1.3BJ	---	---	---	---	---	---	<0.72	<0.72
Cobalt	NE	NE	NE	56.6	56.3	---	---	---	---	---	---	---	---
Copper	48	NE	7969	<4.0	<4.0	<25	<25	<25	<25	<1.4	<1.4	<2.7	<2.7
Iron	NE	NE	NE	339000	332000	---	---	---	---	---	---	---	---
Lead	13	NE	2532	4.5BJ	5.1	---	---	---	---	---	---	<1.8	<1.8
Magnesium	NE	NE	NE	8720	8510	---	---	---	---	---	---	---	---
Manganese	NE	NE	NE	1210	1210	---	---	---	---	---	---	---	---
Mercury	0.4	NE	NE	<0.048	<0.048	---	---	---	---	---	---	<0.033	<0.033
Nickel	880	NE	NE	371	370	159	156	176	170	221	221	<0.24	<0.24
Potassium	NE	NE	NE	9010	8890	---	---	---	---	---	---	---	---
Selenium	50	NE	NE	4.0BJ	4.5BJ	---	---	---	---	---	---	<2.0	<2.0
Silver	12	NE	NE	<1.3	<1.3	---	---	---	---	---	---	<0.57	<0.57
Sodium	NE	NE	NE	10900	10800	---	---	---	---	---	---	---	---
Thallium	63	NE	NE	1.5BJ	<1.3	---	---	---	---	---	---	<0.88	<0.88
Vanadium	NE	119814	NE	3790	3790	2560	2550	2600	2520	2020	2000	<0.83	<0.83
Zinc	123	NE	96734	**{265}**	**{272}**	**{234}**	**{230}**	**{186}**	**{177}**	**{236}**	**{233}**	<7.3BU	<10.1BU

Notes:
NE = Not established.
--- = Not sampled for.
SWPC = Surface Water Protection Criteria
Montville Additional SWPC = Site specific additional SWPC
Montville Alternative SWPC = Site specific alternative SWPC
<1.3 = Analyte not detected at indicated detection limit.
ug/l = micrograms per liter.
B = Result is between Internal Detection Limit and Reporting Limit (inorganics).
J = Estimated value.
U = Result determined to be non-detect at indicated detection limit, based on validation protocol.
{BOLD} = Result is higher than one or more of the standards
Shading = Result is higher than alternative SWPC
Data has been validated

Table 4
Groundwater Analytical Results
GB Area, Total Metals
(6/26/2008- 9/28/2012)
Montville Power LLC
Montville, CT

CONSTITUENT (ug/L)	SWPC	Montville Additional SWPC	Montville Alternative SWPC	NRG-MW-07 5/5/2009 Primary	NRG-MW-07 8/17/2009 Primary	NRG-MW-07 12/16/2009 Primary	NRG-MW-07 6/16/2011 Primary	NRG-MW-07 9/26/2011 Primary	NRG-MW-07 9/28/2012 Primary
Aluminum	NE	NE	NE	<31	<40	<40	---	---	---
Antimony	86000	NE	NE	<3.0	<1.6	<1.6	---	---	---
Arsenic	4	NE	27	**{27.4}**	**{31.6}**	**{19.5}**	**{14.9}**	**{19.9}**	**{26.8}**
Barium	NE	NE	NE	8.5BJ	8.2BJ	11.5BJ	---	---	---
Beryllium	4	NE	20	<0.30	<0.40	<0.40	<4.0	<4.0	<0.28
Cadmium	6	NE	NE	<0.30	<1.9	<1.9	---	---	---
Calcium	NE	NE	NE	4820BJ	4850BJ	7680	---	---	---
Chromium	110	NE	NE	<1.4	<1.1	<1.1	---	---	---
Cobalt	NE	NE	NE	<1.0	0.40BJ	1.0BJ	---	---	---
Copper	48	NE	7969	<1.8	<4.0	<4.0	<25	<25	<1.4
Iron	NE	NE	NE	6490	7220	9290	---	---	---
Lead	13	NE	2532	<1.8	<2.7	<2.7	---	---	---
Magnesium	NE	NE	NE	691BJ	764BJ	1550BJ	---	---	---
Manganese	NE	NE	NE	210	259	271	---	---	---
Mercury	0.4	NE	NE	<0.048	<0.048	<0.048	---	---	---
Nickel	880	NE	NE	1.3BJ	<1.3	<1.3	74.6	60.1	21.8BJ
Potassium	NE	NE	NE	2120BJ	2860BJ	3560BJ	---	---	---
Selenium	50	NE	NE	<3.3	<3.5	<3.5	---	---	---
Silver	12	NE	NE	<0.70	<1.3	<1.3	---	---	---
Sodium	NE	NE	NE	32400	36500	45600	---	---	---
Thallium	63	NE	NE	<4.5	<1.3	<1.3	---	---	---
Vanadium	NE	119814	NE	<3.5	<1.6	<1.6	<10	<10	<1.3
Zinc	123	NE	96734	14.7BJ	44	3.6BJ	**{145}**	**{362}**	104

Notes:
NE = Not established.
--- = Not sampled for.
SWPC = Surface Water Protection Criteria
Montville Additional SWPC = Site specific additional SWPC
Montville Alternative SWPC = Site specific alternative SWPC
<1.3 = Analyte not detected at indicated detection limit.
ug/l = micrograms per liter.
B = Result is between Internal Detection Limit and Reporting Limit (inorganics).
J = Estimated value.
U = Result determined to be non-detect at indicated detection limit, based on validation protocol.
{BOLD} = Result is higher than one or more of the standards
Shading = Result is higher than alternative SWPC
Data has been validated

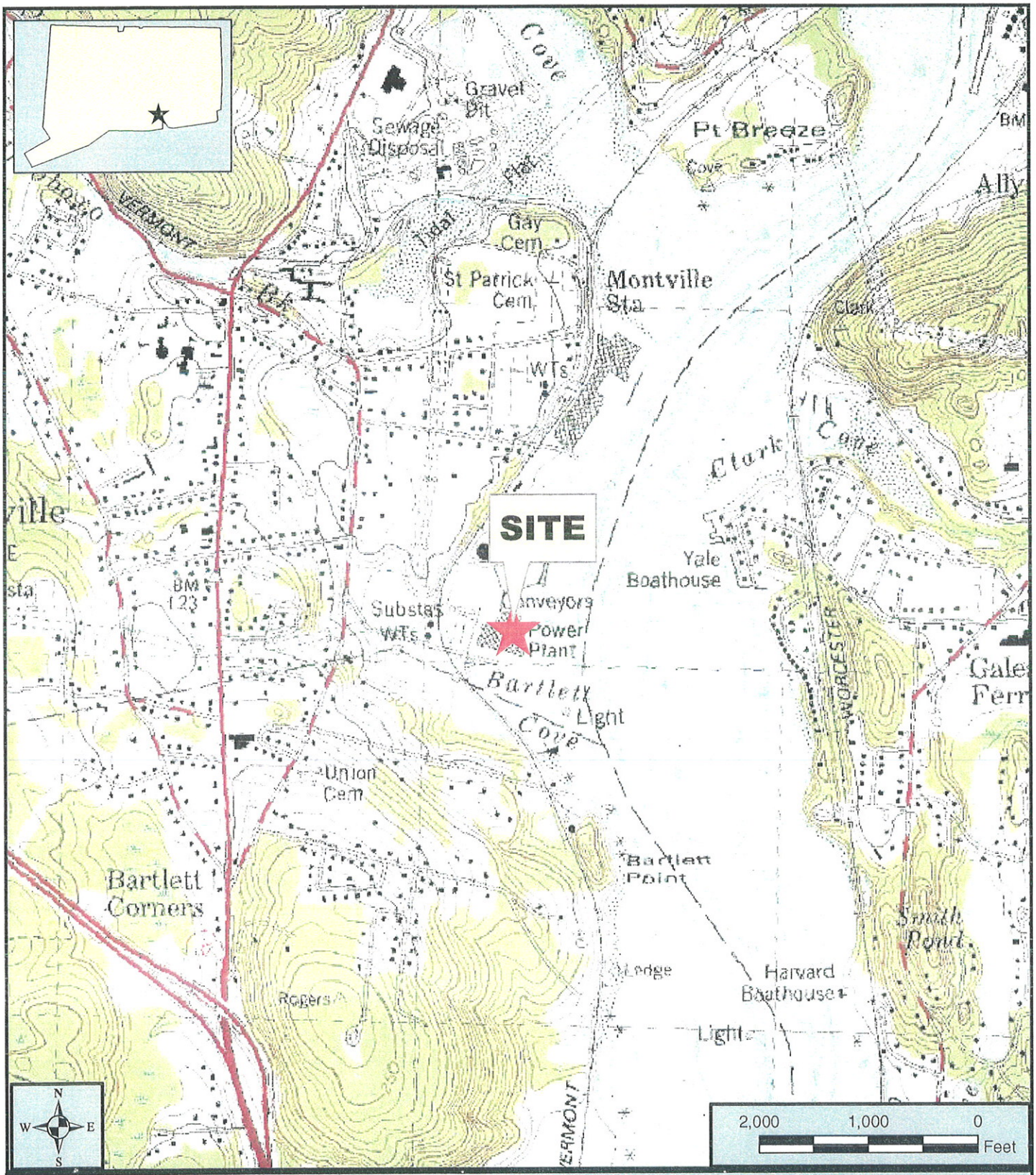
Table 5
Groundwater Analytical Results
NRG-MW5 Total Metal Compared to WQC
Montville Power LLC
Montville, CT

Constituent (ug/L)	WQC Chronic Fresh	WQC Chronic Salt	NRG-MW-05 6/16/2011	NRG-MW-05 9/26/2011	NRG-MW-05 9/28/2012
Arsenic	150	36	<4.0	1.8BJ	2.1BJ
Beryllium	NE	NE	<4.0	<0.24	<0.28
Copper	4.8	3.1	<25	<2.5	**{3.2}BJ**
Nickel	28.9	8.2	<40	**{9.9}BJ**	**{9.0}BJ**
Vanadium	NE	NE	<10	<1.5	1.5BJ
Zinc	65	81	20	25.3	<23.7U

Notes:
WQC = Numerical Water Quality Criteria for Chemical Constituents
ug/L = micrograms per liter
B = Less than detection limit (inorganics), lab qualifier
J = Less than detection limit, validation qualifier
U = Result determined to be non-detect at indicated detection limit, based on validation protocol.
{ } = Result is greater than WQC Chronic Fresh or WQC Chronic Salt
NE = None established

FIGURES

FIGURE 1 –SITE LOCATION MAP



SOURCE: TERRASERVER (DRG-SCALE4M) JULY 1989

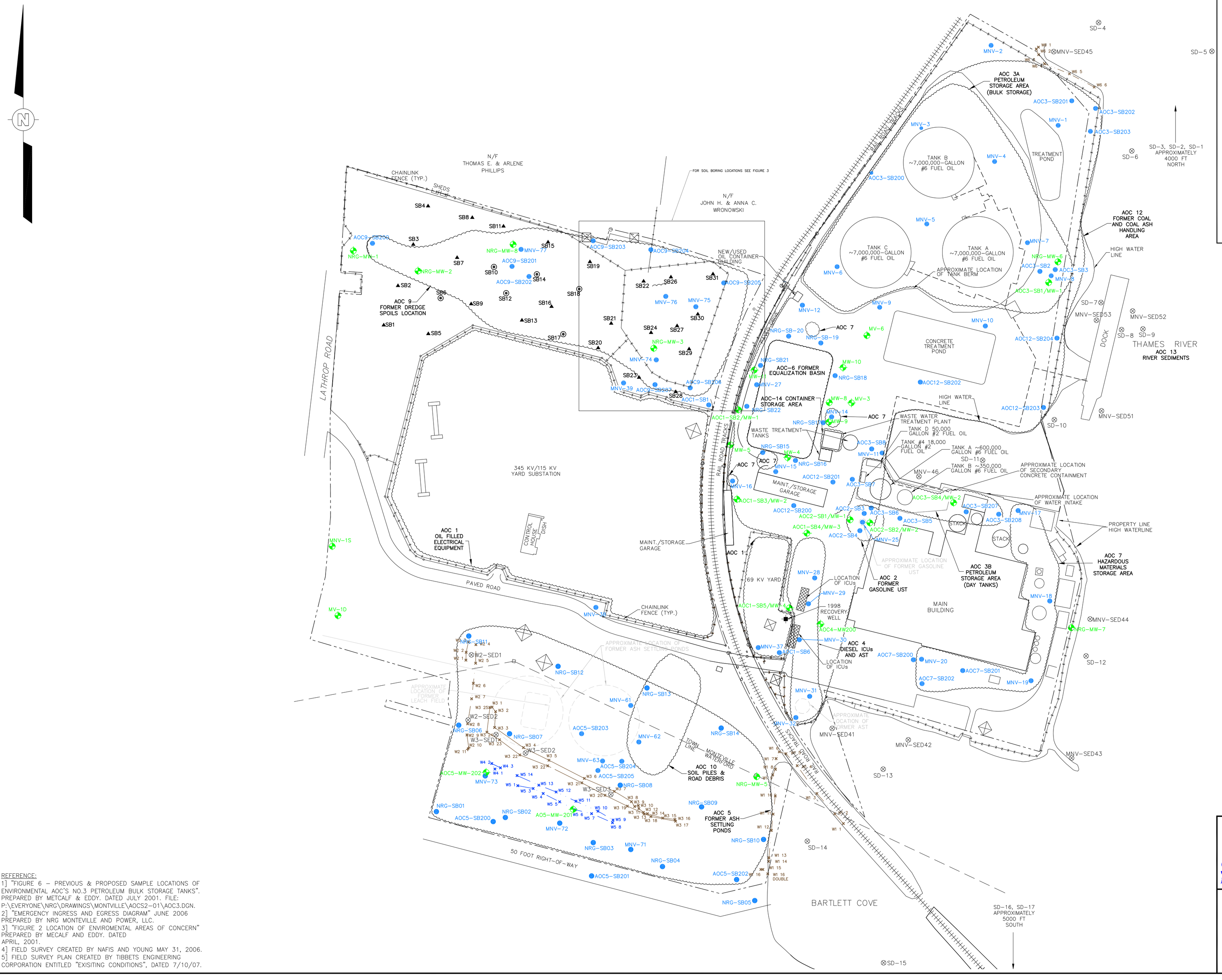
Shaw Environmental Inc.
88C ELM ST
HOPKINTON, MASSACHUSETTS
(508) 435-9561

MONTVILLE GENERATING STATION
MONTVILLE AND WATERFORD CONNECTICUT

N:\MISC\NRG\MONTVILLE\SITELOC.MXD

DRAWING NUMBER	APPROVED BY	CHECKED BY	DRAWN BY	OFFICE
100964407-DEP1	--	RC 02/06/12	CD 02/06/12	STOUGHTON

File: N:\MISC\N.R.G\MONTVILLE\100964407-DEP1.dwg Layout: SITE PLAN User: chris.desiata Feb 06, 2012 - 4:04pm



REFERENCE:
1] "FIGURE 6 – PREVIOUS & PROPOSED SAMPLE LOCATIONS OF ENVIRONMENTAL AOC'S NO.3 PETROLEUM BULK STORAGE TANKS". PREPARED BY METCALF & EDDY. DATED JULY 2001. FILE: P:\EVERYONE\NRG\DRAWINGS\MONTVILLE\AOCS2-01\AOC3.DGN.
2] "EMERGENCY INGRESS AND EGRESS DIAGRAM" JUNE 2006 PREPARED BY NRG MONTEVILLE AND POWER, LLC.
3] "FIGURE 2 LOCATION OF ENVIROMENTAL AREAS OF CONCERN" PREPARED BY MECALF AND EDDY. DATED APRIL, 2001.
4] FIELD SURVEY CREATED BY NAFIS AND YOUNG MAY 31, 2006.
5] FIELD SURVEY PLAN CREATED BY TIBBETS ENGINEERING CORPORATION ENTITLED "EXISITING CONDITIONS", DATED 7/10/07.

Shaw Environmental Inc.

100 TECHNOLOGY CENTER DRIVE
STOUGHTON, MASSACHUSETTS
(617) 589-5111

FIGURE 2
SITE PLAN

MONTVILLE GENERATING STATION
MONTVILLE AND WATERFORD, CONNECTICUT

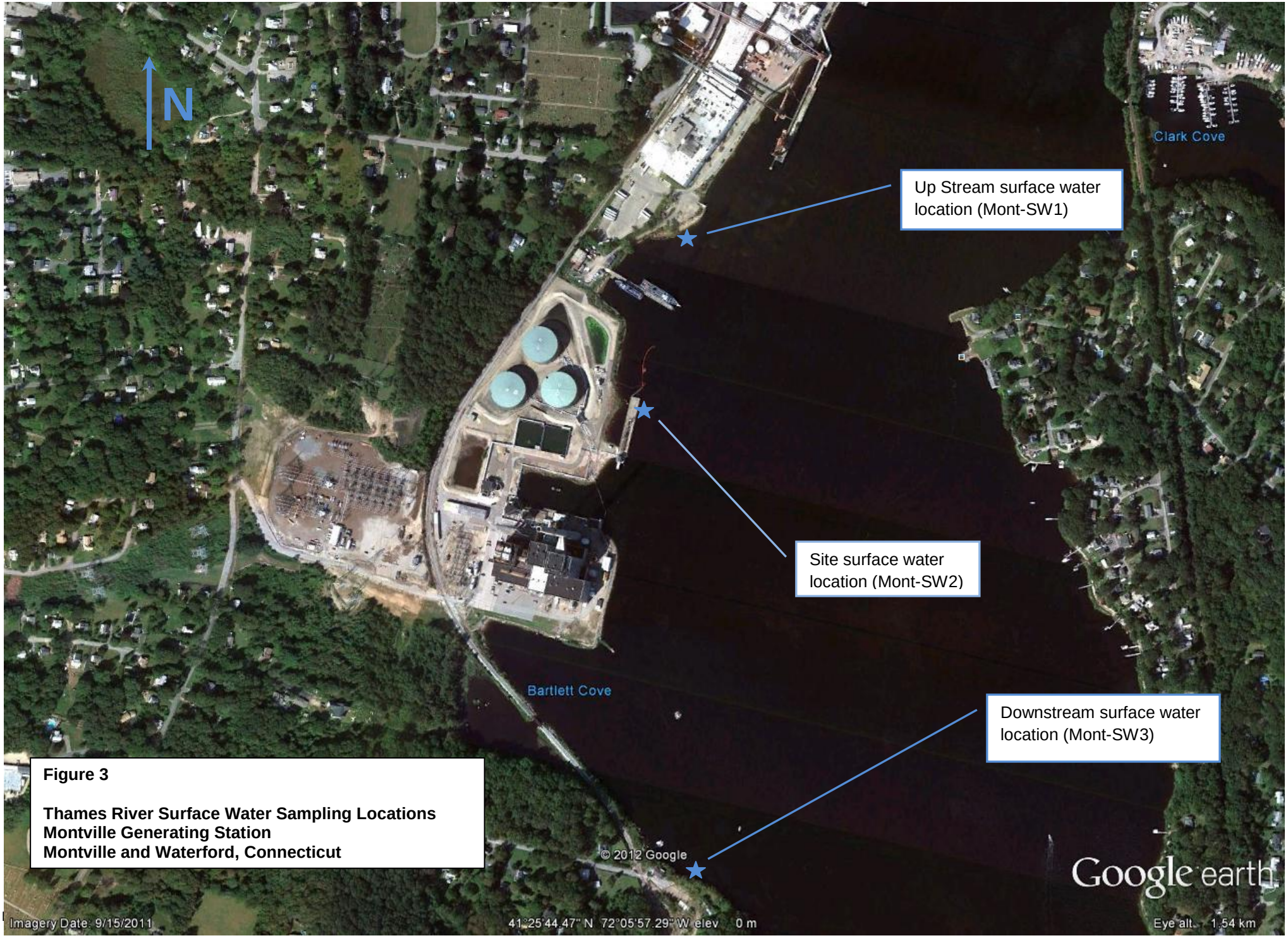


Figure 3

Thames River Surface Water Sampling Locations
Montville Generating Station
Montville and Waterford, Connecticut

ATTACHMENT 1

Data Validation Worksheet

Project Name : NRG Montville

Job Number : 1009644007

Date: 11/01/12

Validated By: Kim Napier

11/1/2012

Analyte Group :

Metals

Analytical Method :

EPA 6010C

Completed Reasonable Confidence Protocols Certification Form Included: Yes

*Question 6 was answered No; Not an issue since select list of elements were requested and not the full TAL metals list

Were all Reasonable Confidence Protocol QA/QC Criteria Followed? Yes

Accutest laboratory certifies that all analysis were performed within method specifications and recommends that the report is to be used in its entirety: Yes

Laboratory ID No. : MC14519

Chain of Custody: Included in Data Package ? Yes

Is it Complete ? Yes

Allowable Holding Time : All Holding times were met.

Method	Extraction	Analysis	Collection Date	Extraction date	Analyzed Date
Metals/6010C	NA	6 months	09/27, 09/28/2012	NA	10/09, 10/10, 10/11/12

Sample Collection Date : 09/27 & 09/28/12

Sample temperature above QC limit: No (2.0°)

Laboratory Control Samples

LCS/LCSD

Are all laboratory control sample recoveries within the QC limits ? Yes

If No, list sample ID and compound where limit was exceeded: NA

MS/MSD

Are all MS/MSD sample recoveries within the QC limits ? N/A
If No, list sample ID and compound where limit was exceeded: NA

Serial Dilution
RPD for serial dilution for As, Be, and Ni are outside 10%D criteria.
No qualification necessary since it was batch QC performed and not our sample that was spiked. Also, the %D criteria is not applicable since sample results were not > 50-times the IDL

Equipment Field Blank ID : Equipment Blank
Trip Blank ID : NA
Method Blank: No detects

Were any compounds identified in the method blank, field blank or trip blank above detection limits ? Yes

If so, list Sample ID/Compound/Concentration/Units:
Zn was detected in the equipment blanks at 7.2 ug/L. Zn results for the following samples should be qualified U since results were < 5-times the amount found in the blank:
MW-11, AOC3-SB4-MW2 & NRG-MW5
No qualification necessary for the other samples since Zn results were > 5-times the blank amount

Sample Analysis Notes by Method:

SW846 6010C
Results flagged by lab w/ "B" qualifiers have been assigned "J" qualifiers except where "U" qualified due to blank contamination.

Sample ID correction N/A

Reviewed By:

New England ACCUTEST LABORATORIES

Reissue #1
10/18/12

Technical Report for

Shaw Environmental & Infrastructure

NRG Montville Lathrop Rd. Uncasville, CT

1009644007-02

Accutest Job Number: MC14519

Sampling Dates: 09/27/12 - 09/28/12

Report to:

Shaw Environmental & Infrastructure

jessica.crispin@shawgrp.com

ATTN: Jessica Crispin

Total number of pages in report: **34**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Reza Tand
Lab Director

Client Service contact: Frank DAgostino 508-481-6200

Certifications: MA (M-MA136,SW846 NELAC) CT (PH-0109) NH (250210) RI (00071) ME (MA00136) FL (E87579) NY (11791) NJ (MA926) PA (6801121) ND (R-188) CO MN (11546AA) NC (653) IL (002337) WI (399080220) ISO 17025:2005 (L2235)

Test results relate only to samples analyzed.

Andrew Walker
Shaw Environmental & Infrastructure
100 Technology Center Drive
Stoughton, MA 02072
andrew.walker@shawgrp.com

October 18, 2012

Accutest Job MC14519 (revision 1)

Mr. Walker,

The report of Accutest job number MC14519 has been revised to change sample ID for MC14519-6. This request is per Jessica Danieli Crispin's email on 10-18-2012. This change has been incorporated into the revised report which is attached.

Sincerely,

Zhongyun Ma
Accutest Laboratories of New England, Inc.

Sections: 1 2 3 4 5 6

Table of Contents

Sample Summary

Shaw Environmental & Infrastructure

Job No: MC14519

NRG Montville Lathrop Rd. Uncasville, CT
Project No: 1009644007-02

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
MC14519-1	09/27/12	10:25	DL	10/01/12	AQ	Equipment Blank	EQUIPMENT BLANK
MC14519-2	09/27/12	11:30	DL	10/01/12	AQ	Ground Water	MW-11
MC14519-3	09/27/12	12:50	DL	10/01/12	AQ	Ground Water	NRG-MW6
MC14519-4	09/27/12	12:50	DL	10/01/12	AQ	Ground Water	NRG-MW6 (DUP)
MC14519-5	09/27/12	14:05	DL	10/01/12	AQ	Ground Water	AOC3-SB1-MW1
MC14519-6	09/27/12	15:30	DL	10/01/12	AQ	Ground Water	AOC3-SB4-MW2
MC14519-7	09/28/12	09:00	DL	10/01/12	AQ	Ground Water	NRG-MW7
MC14519-8	09/28/12	11:25	DL	10/01/12	AQ	Ground Water	NRG-MW5

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	Shaw Environmental & Infrastructure	**Job No**	MC14519
Site:	NRG Montville Lathrop Rd. Uncasville, CT	**Report Date**	10/15/2012 1:58:46 PM

8 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were collected on between 09/27/2012 and 09/28/2012 and were received at Accutest on 10/01/2012 properly preserved, at 2 Deg. C and intact. These Samples received an Accutest job number of MC14519. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Metals By Method SW846 6010C

Matrix: AQ **Batch ID:** MP19800

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC14448-3SDL were used as the QC samples for metals.
- RPD(s) for Serial Dilution for Arsenic, Beryllium, Nickel are outside control limits for sample MP19800-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
- Only selected metals requested.

Matrix: AQ **Batch ID:** MP19812

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC14633-5FSDL were used as the QC samples for metals.
- RPD(s) for Serial Dilution for Beryllium, Copper, Nickel, Zinc are outside control limits for sample MP19812-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
- Only selected metals requested.

The Accutest Laboratories of New England certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety.The Accutest Laboratories of NE, Laboratory Director or assignee as verified by the signature on the cover page has authorized the release of this report(MC14519).

Summary of Hits

Job Number: MC14519
Account: Shaw Environmental & Infrastructure
Project: NRG Montville Lathrop Rd. Uncasville, CT
Collected: 09/27/12 thru 09/28/12

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC14519-1	**EQUIPMENT BLANK**					
Zinc		7.2 B	20	4.0	ug/l	SW846 6010C
MC14519-2	**MW-11**					
Beryllium		0.60 B	4.0	0.28	ug/l	SW846 6010C
Copper		5.0 B	25	1.4	ug/l	SW846 6010C
Nickel		73.0	40	0.70	ug/l	SW846 6010C
Zinc		20.7	20	4.0	ug/l	SW846 6010C
MC14519-3	**NRG-MW6**					
Arsenic		263	4.0	1.9	ug/l	SW846 6010C
Beryllium		4.2	4.0	0.28	ug/l	SW846 6010C
Nickel		221	40	0.70	ug/l	SW846 6010C
Vanadium		2020	10	1.3	ug/l	SW846 6010C
Zinc		236	20	4.0	ug/l	SW846 6010C
MC14519-4	**NRG-MW6 (DUP)**					
Arsenic		263	4.0	1.9	ug/l	SW846 6010C
Beryllium		4.1	4.0	0.28	ug/l	SW846 6010C
Nickel		221	40	0.70	ug/l	SW846 6010C
Vanadium		2000	10	1.3	ug/l	SW846 6010C
Zinc		233	20	4.0	ug/l	SW846 6010C
MC14519-5	**AOC3-SB1-MW1**					
Arsenic		55.2	4.0	1.9	ug/l	SW846 6010C
Beryllium		2.7 B	4.0	0.28	ug/l	SW846 6010C
Copper		3.0 B	25	1.4	ug/l	SW846 6010C
Nickel		39.8 B	40	0.70	ug/l	SW846 6010C
Vanadium		27.2	10	1.3	ug/l	SW846 6010C
Zinc		93.4	20	4.0	ug/l	SW846 6010C
MC14519-6	**AOC3-SB4-MW2**					
Arsenic		7.7	4.0	1.9	ug/l	SW846 6010C
Copper		2.6 B	25	1.4	ug/l	SW846 6010C
Vanadium		1.7 B	10	1.3	ug/l	SW846 6010C
Zinc		8.2 B	20	4.0	ug/l	SW846 6010C

Summary of Hits

Job Number: MC14519
Account: Shaw Environmental & Infrastructure
Project: NRG Montville Lathrop Rd. Uncasville, CT
Collected: 09/27/12 thru 09/28/12

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC14519-7	**NRG-MW7**					
Arsenic		26.8	4.0	1.9	ug/l	SW846 6010C
Nickel		21.8 B	40	0.70	ug/l	SW846 6010C
Zinc		104	20	4.0	ug/l	SW846 6010C
MC14519-8	**NRG-MW5**					
Arsenic		2.1 B	4.0	1.9	ug/l	SW846 6010C
Copper		3.2 B	25	1.4	ug/l	SW846 6010C
Nickel		9.0 B	40	0.70	ug/l	SW846 6010C
Vanadium		1.5 B	10	1.3	ug/l	SW846 6010C
Zinc		23.7	20	4.0	ug/l	SW846 6010C

New England ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: EQUIPMENT BLANK
Lab Sample ID: MC14519-1
Matrix: AQ - Equipment Blank
Project: NRG Montville Lathrop Rd. Uncasville, CT

Date Sampled: 09/27/12
Date Received: 10/01/12
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	1.9 U	4.0	1.9	ug/l	1	10/08/12	10/09/12	EAL	SW846 6010C [1]	SW846 3010A [2]
Beryllium	0.28 U	4.0	0.28	ug/l	1	10/08/12	10/09/12	EAL	SW846 6010C [1]	SW846 3010A [2]
Copper	1.4 U	25	1.4	ug/l	1	10/08/12	10/09/12	EAL	SW846 6010C [1]	SW846 3010A [2]
Nickel	0.70 U	40	0.70	ug/l	1	10/08/12	10/09/12	EAL	SW846 6010C [1]	SW846 3010A [2]
Vanadium	1.3 U	10	1.3	ug/l	1	10/08/12	10/09/12	EAL	SW846 6010C [1]	SW846 3010A [2]
Zinc	7.2 B	20	4.0	ug/l	1	10/08/12	10/09/12	EAL	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA14812
(2) Prep QC Batch: MP19800

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID: MW-11
Lab Sample ID: MC14519-2
Matrix: AQ - Ground Water
Project: NRG Montville Lathrop Rd. Uncasville, CT

Date Sampled: 09/27/12
Date Received: 10/01/12
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	1.9 U	4.0	1.9	ug/l	1	10/08/12	10/09/12	EAL	SW846 6010C [1]	SW846 3010A [2]
Beryllium	0.60 B	4.0	0.28	ug/l	1	10/08/12	10/09/12	EAL	SW846 6010C [1]	SW846 3010A [2]
Copper	5.0 B	25	1.4	ug/l	1	10/08/12	10/09/12	EAL	SW846 6010C [1]	SW846 3010A [2]
Nickel	73.0	40	0.70	ug/l	1	10/08/12	10/09/12	EAL	SW846 6010C [1]	SW846 3010A [2]
Vanadium	1.3 U	10	1.3	ug/l	1	10/08/12	10/09/12	EAL	SW846 6010C [1]	SW846 3010A [2]
Zinc	20.7	20	4.0	ug/l	1	10/08/12	10/09/12	EAL	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA14812
(2) Prep QC Batch: MP19800

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID: NRG-MW6
Lab Sample ID: MC14519-3
Matrix: AQ - Ground Water
Project: NRG Montville Lathrop Rd. Uncasville, CT

Date Sampled: 09/27/12
Date Received: 10/01/12
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	263	4.0	1.9	ug/l	1	10/08/12	10/09/12	EAL	SW846 6010C [1]	SW846 3010A [2]
Beryllium	4.2	4.0	0.28	ug/l	1	10/08/12	10/09/12	EAL	SW846 6010C [1]	SW846 3010A [2]
Copper	1.4 U	25	1.4	ug/l	1	10/08/12	10/09/12	EAL	SW846 6010C [1]	SW846 3010A [2]
Nickel	221	40	0.70	ug/l	1	10/08/12	10/09/12	EAL	SW846 6010C [1]	SW846 3010A [2]
Vanadium	2020	10	1.3	ug/l	1	10/08/12	10/09/12	EAL	SW846 6010C [1]	SW846 3010A [2]
Zinc	236	20	4.0	ug/l	1	10/08/12	10/09/12	EAL	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA14812
(2) Prep QC Batch: MP19800

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID: NRG-MW6 (DUP)
Lab Sample ID: MC14519-4
Matrix: AQ - Ground Water
Project: NRG Montville Lathrop Rd. Uncasville, CT

Date Sampled: 09/27/12
Date Received: 10/01/12
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	263	4.0	1.9	ug/l	1	10/08/12	10/09/12	EAL	SW846 6010C [1]	SW846 3010A [2]
Beryllium	4.1	4.0	0.28	ug/l	1	10/08/12	10/09/12	EAL	SW846 6010C [1]	SW846 3010A [2]
Copper	1.4 U	25	1.4	ug/l	1	10/08/12	10/09/12	EAL	SW846 6010C [1]	SW846 3010A [2]
Nickel	221	40	0.70	ug/l	1	10/08/12	10/09/12	EAL	SW846 6010C [1]	SW846 3010A [2]
Vanadium	2000	10	1.3	ug/l	1	10/08/12	10/09/12	EAL	SW846 6010C [1]	SW846 3010A [2]
Zinc	233	20	4.0	ug/l	1	10/08/12	10/09/12	EAL	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA14812
(2) Prep QC Batch: MP19800

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID: AOC3-SB1-MW1
Lab Sample ID: MC14519-5
Matrix: AQ - Ground Water
Project: NRG Montville Lathrop Rd. Uncasville, CT

Date Sampled: 09/27/12
Date Received: 10/01/12
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	55.2	4.0	1.9	ug/l	1	10/08/12	10/09/12	EAL	SW846 6010C [1]	SW846 3010A [2]
Beryllium	2.7 B	4.0	0.28	ug/l	1	10/08/12	10/09/12	EAL	SW846 6010C [1]	SW846 3010A [2]
Copper	3.0 B	25	1.4	ug/l	1	10/08/12	10/09/12	EAL	SW846 6010C [1]	SW846 3010A [2]
Nickel	39.8 B	40	0.70	ug/l	1	10/08/12	10/09/12	EAL	SW846 6010C [1]	SW846 3010A [2]
Vanadium	27.2	10	1.3	ug/l	1	10/08/12	10/09/12	EAL	SW846 6010C [1]	SW846 3010A [2]
Zinc	93.4	20	4.0	ug/l	1	10/08/12	10/09/12	EAL	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA14812
(2) Prep QC Batch: MP19800

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID: AOC3-SB4-MW2
Lab Sample ID: MC14519-6
Matrix: AQ - Ground Water
Project: NRG Montville Lathrop Rd. Uncasville, CT

Date Sampled: 09/27/12
Date Received: 10/01/12
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	7.7	4.0	1.9	ug/l	1	10/09/12	10/10/12	EAL	SW846 6010C [1]	SW846 3010A [2]
Beryllium	0.28 U	4.0	0.28	ug/l	1	10/09/12	10/10/12	EAL	SW846 6010C [1]	SW846 3010A [2]
Copper	2.6 B	25	1.4	ug/l	1	10/09/12	10/10/12	EAL	SW846 6010C [1]	SW846 3010A [2]
Nickel	0.70 U	40	0.70	ug/l	1	10/09/12	10/10/12	EAL	SW846 6010C [1]	SW846 3010A [2]
Vanadium	1.7 B	10	1.3	ug/l	1	10/09/12	10/10/12	EAL	SW846 6010C [1]	SW846 3010A [2]
Zinc	8.2 B	20	4.0	ug/l	1	10/09/12	10/10/12	EAL	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA14819
(2) Prep QC Batch: MP19812

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID: NRG-MW7
Lab Sample ID: MC14519-7
Matrix: AQ - Ground Water
Project: NRG Montville Lathrop Rd. Uncasville, CT

Date Sampled: 09/28/12
Date Received: 10/01/12
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	26.8	4.0	1.9	ug/l	1	10/09/12	10/11/12	EAL	SW846 6010C [1]	SW846 3010A [2]
Beryllium	0.28 U	4.0	0.28	ug/l	1	10/09/12	10/11/12	EAL	SW846 6010C [1]	SW846 3010A [2]
Copper	1.4 U	25	1.4	ug/l	1	10/09/12	10/11/12	EAL	SW846 6010C [1]	SW846 3010A [2]
Nickel	21.8 B	40	0.70	ug/l	1	10/09/12	10/11/12	EAL	SW846 6010C [1]	SW846 3010A [2]
Vanadium	1.3 U	10	1.3	ug/l	1	10/09/12	10/11/12	EAL	SW846 6010C [1]	SW846 3010A [2]
Zinc	104	20	4.0	ug/l	1	10/09/12	10/11/12	EAL	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA14826
(2) Prep QC Batch: MP19812

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID: NRG-MW5
Lab Sample ID: MC14519-8
Matrix: AQ - Ground Water
Project: NRG Montville Lathrop Rd. Uncasville, CT

Date Sampled: 09/28/12
Date Received: 10/01/12
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	2.1 B	4.0	1.9	ug/l	1	10/09/12	10/10/12	EAL	SW846 6010C [1]	SW846 3010A [2]
Beryllium	0.28 U	4.0	0.28	ug/l	1	10/09/12	10/10/12	EAL	SW846 6010C [1]	SW846 3010A [2]
Copper	3.2 B	25	1.4	ug/l	1	10/09/12	10/10/12	EAL	SW846 6010C [1]	SW846 3010A [2]
Nickel	9.0 B	40	0.70	ug/l	1	10/09/12	10/10/12	EAL	SW846 6010C [1]	SW846 3010A [2]
Vanadium	1.5 B	10	1.3	ug/l	1	10/09/12	10/10/12	EAL	SW846 6010C [1]	SW846 3010A [2]
Zinc	23.7	20	4.0	ug/l	1	10/09/12	10/10/12	EAL	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA14819
(2) Prep QC Batch: MP19812

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

New England ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- RCP Form
- Sample Tracking Chronicle

CHAIN OF CUSTODY

ACCUTEST LABORATORIES

Accutest Laboratories of New England
495 Technology Center West, Building One
TEL. 508-481-6200 FAX: 508-481-7753
www.accutest.com

PAGE 1 OF 1

FED-EX Tracking #: | Bottle Order Control #:
Accutest Quote #: NRG ACCOUNT PRICING | Accutest Job #: MC14519

Client / Reporting Information

Company Name: Shaw Environmental, Inc.
Street Address: 150 Royall Street
City: Canton State: MA Zip: 02021
Project Contact: Ray Cadorette E-mail:
Phone #: 617-589-6102 Fax #:
Sampler(s) Name(s): Daniel Leahy 617-212-8276 Phone #:

Project Information

Project Name: NRG Montville
Street: 74 Lathrop Road
City: Uncasville, CT
Project#: 1009644007-02
Client PO#:
Project Manager: Andrew Walker

Billing Information (If different from Report to)

Company Name:
Street Address:
City State Zip:
Attention: PO#:

Requested Analysis (see TEST CODE sheet)

EPA 6010 - Total Metals (As, Be, Cd, Ni, V, Zn)

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB-Field Blank
EB- Equipment Blank
RB- Rinse Blank
TB-Trip Blank

Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	Bisulfite	LAB USE ONLY
-1	EQUIPMENT BLANK		9/27/12	1025		WW	1			✓							
-2	MW-11		9/27/12	1130		GW	1			1							
-3	NRG-MW6		9/27/12	1250			1			1							
-4	NRG-MW6 (DUP)		9/27/12	1250			1			1							
-5	AOC3-SB1-MW1		9/27/12	1405			1			1							
-6	AOC3-SB4-MW4		9/27/12	1530			1			1							
-7	NRG-MW7		9/28/12	0900			1			1							
-8	NRG-MW5		9/28/12	1125			1			1							
																	6A

Data Deliverable Information

- Commercial "A" (Level 1)
- Commercial "B" (Level 2)
- FULLT1 (Level 3+4)
- CT RCP
- MA MCP
- NYASP Category A
- NYASP Category B
- State Forms
- EDD Format GISKey
- Other

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary

Comments / Special Instructions

Site specific QAPP. + CTDEP RCP
Detection limits must meet CT GA Standards
Detection limits must meet CT GA Standards
and Water Quality Criteria for NRG-MW5
Low level detection needed for NRG-MW5.
REPORT TO MDL FOR NRG-MW5

Turnaround Time (Business days)

Approved By (Accutest PM): / Date:

- Std. 10 Business Days
- Std. 5 Business Days (By Contract only)
- 5 Day *RUSH*
- 3 Day *EMERGENCY*
- 2 Day *EMERGENCY*
- 1 Day *EMERGENCY*

Emergency & Rush T/A data available VIA Labtink

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	Daniel Leahy	9/28/12 1330	J. Sasso	J. Sasso	10/1/12 15:10	Lucille Jones
2	Relinquished Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
	Lucille Jones	10/1/12 1730	Lucille Jones			
3	Relinquished by:	Date Time:	Received By:	Custody Seal #	Intact / Not Intact	Preserved where applicable	On Ice	Cooler Temp.
4								
5								2.0°C

MC14519: Chain of Custody
Page 1 of 2

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: MC14519 **Client:** SHAW **Immediate Client Services Action Required:** No

Date / Time Received: 10/1/2012 **Delivery Method:** **Client Service Action Required at Login:** No

Project: NRG MONTVILLE **No. Coolers:** 1 **Airbill #'s:**

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	Infared gun		
3. Cooler media:	Ice (bag)		

Quality Control Preservatio	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☐	☑
2. Trip Blank listed on COC:	☐		☐	☑
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

Reasonable Confidence Protocol
Laboratory Analysis
QA/QC Certification Form

Laboratory Name: **Accutest New England** **Client:** **Shaw Environmental & Infrastructure**

Project Location: **NRG Montville Lathrop Rd. Uncasville, CT** **Project Number:** **1009644007-02**

Sampling Date(s): **9/27/2012**

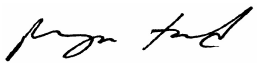
Laboratory Sample ID(s): MC14519-1, MC14519-2, MC14519-3, MC14519-4, MC14519-5, MC14519-6, MC14519-7, MC14519-8

Methods: SW846 6010C

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CTDEP method-specific Reasonable Confidence Protocol documents)?	Yes ☑ No ☐
1A	Where all the method specified preservation and holding time requirements met?	Yes ☑ No ☐
1B	VPH and EPH mehods only: Was the VPH or EPH method conducted without significant modifications (See section 11.3 of respective methods)	Yes ☐ No ☐ NA ☑
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	Yes ☑ No ☐
3	Were samples received at an appropriate temperature (<6° C)?	Yes ☑ No ☐
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	Yes ☑ No ☐
5	a) Were reporting limits specified or referenced on the chain-of-custody?	Yes ☑ No ☐
	b) Were these reporting limits met?	Yes ☑ No ☐
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	Yes ☐ No ☑
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	Yes ☑ No ☐

Note: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence".

I, the undersigned, attest under pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature:  Position: Lab Director

Printed Name: Reza Tand Date: 10/15/2012

Accutest New England

Internal Sample Tracking Chronicle

Shaw Environmental & Infrastructure

Job No: MC14519

NRG Montville Lathrop Rd. Uncasville, CT
Project No: 1009644007-02

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC14519-1 Collected: 27-SEP-12 10:25 By: DL EQUIPMENT BLANK				Received: 01-OCT-12	By:	
MC14519-1	SW846 6010C	09-OCT-12 12:52	EAL	08-OCT-12	DA	AS,BE,CU,NI,V,ZN
MC14519-2 Collected: 27-SEP-12 11:30 By: DL MW-11				Received: 01-OCT-12	By:	
MC14519-2	SW846 6010C	09-OCT-12 12:57	EAL	08-OCT-12	DA	AS,BE,CU,NI,V,ZN
MC14519-3 Collected: 27-SEP-12 12:50 By: DL NRG-MW6				Received: 01-OCT-12	By:	
MC14519-3	SW846 6010C	09-OCT-12 13:01	EAL	08-OCT-12	DA	AS,BE,CU,NI,V,ZN
MC14519-4 Collected: 27-SEP-12 12:50 By: DL NRG-MW6 (DUP)				Received: 01-OCT-12	By:	
MC14519-4	SW846 6010C	09-OCT-12 13:06	EAL	08-OCT-12	DA	AS,BE,CU,NI,V,ZN
MC14519-5 Collected: 27-SEP-12 14:05 By: DL AOC3-SB1-MW1				Received: 01-OCT-12	By:	
MC14519-5	SW846 6010C	09-OCT-12 13:11	EAL	08-OCT-12	DA	AS,BE,CU,NI,V,ZN
MC14519-6 Collected: 27-SEP-12 15:30 By: DL AOC3-SB4-MW2				Received: 01-OCT-12	By:	
MC14519-6	SW846 6010C	10-OCT-12 15:08	EAL	09-OCT-12	DA	AS,BE,CU,NI,V,ZN
MC14519-7 Collected: 28-SEP-12 09:00 By: DL NRG-MW7				Received: 01-OCT-12	By:	
MC14519-7	SW846 6010C	11-OCT-12 17:38	EAL	09-OCT-12	DA	AS,BE,CU,NI,V,ZN
MC14519-8 Collected: 28-SEP-12 11:25 By: DL NRG-MW5				Received: 01-OCT-12	By:	
MC14519-8	SW846 6010C	10-OCT-12 15:18	EAL	09-OCT-12	DA	AS,BE,CU,NI,V,ZN

New England ACCUTEST LABORATORIES

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: MC14519
Account: FDG - Shaw Environmental & Infrastructure
Project: NRG Montville Lathrop Rd. Uncasville, CT

QC Batch ID: MP19800
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 10/08/12

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	13	21		
Antimony	6.0	.8	1.7		
Arsenic	4.0	.99	1.9	0.0	<4.0
Barium	50	.28	.65		
Beryllium	4.0	.13	.28	-0.10	<4.0
Boron	100	.58	.59		
Cadmium	4.0	.19	.19		
Calcium	5000	34	36		
Chromium	10	.6	.83		
Cobalt	50	.15	.4		
Copper	25	.85	1.4	-0.80	<25
Gold	50	1.8	2.7		
Iron	100	4.2	11		
Lead	5.0	1.3	2.1		
Magnesium	5000	36	60		
Manganese	15	.05	.54		
Molybdenum	100	.23	1.5		
Nickel	40	.25	.7	0.10	<40
Palladium	50	2.4	7.9		
Platinum	50	6.6	19		
Potassium	5000	45	190		
Selenium	10	1.4	2		
Silicon	100	4.8	8.4		
Silver	5.0	.69	1.3		
Sodium	5000	13	40		
Strontium	10	.11	.35		
Thallium	5.0	.99	1.4		
Tin	100	.34	.75		
Titanium	50	.55	.88		
Tungsten	100	5.9	14		
Vanadium	10	.95	1.3	-1.3	<10
Zinc	20	.33	4	0.10	<20

Associated samples MP19800: MC14519-1, MC14519-2, MC14519-3, MC14519-4, MC14519-5

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: MC14519
Account: FDG - Shaw Environmental & Infrastructure
Project: NRG Montville Lathrop Rd. Uncasville, CT

QC Batch ID: MP19800
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:

Metal

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC14519
Account: FDG - Shaw Environmental & Infrastructure
Project: NRG Montville Lathrop Rd. Uncasville, CT

QC Batch ID: MP19800
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:		10/08/12				10/08/12			
Metal	BSP Result	Spikelot MPICP	% Rec	QC Limits	BSD Result	Spikelot MPICP	% Rec	BSD RPD	QC Limit
Aluminum									
Antimony									
Arsenic	503	500	100.6	80-120	508	500	101.6	1.0	20
Barium	anr								
Beryllium	503	500	100.6	80-120	512	500	102.4	1.8	20
Boron									
Cadmium	anr								
Calcium									
Chromium	anr								
Cobalt	anr								
Copper	501	500	100.2	80-120	509	500	101.8	1.6	20
Gold									
Iron	anr								
Lead	anr								
Magnesium									
Manganese	anr								
Molybdenum									
Nickel	493	500	98.6	80-120	496	500	99.2	0.6	20
Palladium									
Platinum									
Potassium									
Selenium	anr								
Silicon									
Silver	anr								
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Tungsten									
Vanadium	531	500	106.2	80-120	540	500	108.0	1.7	20
Zinc	514	500	102.8	80-120	521	500	104.2	1.4	20

Associated samples MP19800: MC14519-1, MC14519-2, MC14519-3, MC14519-4, MC14519-5

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC14519
Account: FDG - Shaw Environmental & Infrastructure
Project: NRG Montville Lathrop Rd. Uncasville, CT

QC Batch ID: MP19800
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:

Metal

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: MC14519
Account: FDG - Shaw Environmental & Infrastructure
Project: NRG Montville Lathrop Rd. Uncasville, CT

QC Batch ID: MP19800
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 10/08/12

Metal	MC14448-3 Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic	1.60	6.40	300.0(a)	0-10
Barium	anr			
Beryllium	0.200	0.00	100.0(a)	0-10
Boron				
Cadmium	anr			
Calcium				
Chromium	anr			
Cobalt	anr			
Copper	0.00	0.00	NC	0-10
Gold				
Iron	anr			
Lead	anr			
Magnesium				
Manganese	anr			
Molybdenum				
Nickel	0.400	0.00	100.0(a)	0-10
Palladium				
Platinum				
Potassium				
Selenium	anr			
Silicon				
Silver	anr			
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Tungsten				
Vanadium	0.00	0.00	NC	0-10
Zinc	19.6	20.4	4.1	0-10

Associated samples MP19800: MC14519-1, MC14519-2, MC14519-3, MC14519-4, MC14519-5

SERIAL DILUTION RESULTS SUMMARY

Login Number: MC14519
Account: FDG - Shaw Environmental & Infrastructure
Project: NRG Montville Lathrop Rd. Uncasville, CT

QC Batch ID: MP19800 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date:

Metal

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: MC14519
Account: FDG - Shaw Environmental & Infrastructure
Project: NRG Montville Lathrop Rd. Uncasville, CT

QC Batch ID: MP19812
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 10/09/12

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	13	21		
Antimony	6.0	.8	1.7		
Arsenic	4.0	.99	1.9	-0.70	<4.0
Barium	50	.28	.65		
Beryllium	4.0	.13	.28	0.10	<4.0
Boron	100	.58	.59		
Cadmium	4.0	.19	.19		
Calcium	5000	34	36		
Chromium	10	.6	.83		
Cobalt	50	.15	.4		
Copper	25	.85	1.4	2.2	<25
Gold	50	1.8	2.7		
Iron	100	4.2	11		
Lead	5.0	1.3	2.1		
Magnesium	5000	36	60		
Manganese	15	.05	.54		
Molybdenum	100	.23	1.5		
Nickel	40	.25	.7	0.10	<40
Palladium	50	2.4	7.9		
Platinum	50	6.6	19		
Potassium	5000	45	190		
Selenium	10	1.4	2		
Silicon	100	4.8	8.4		
Silver	5.0	.69	1.3		
Sodium	5000	13	40		
Strontium	10	.11	.35		
Thallium	5.0	.99	1.4		
Tin	100	.34	.75		
Titanium	50	.55	.88		
Tungsten	100	5.9	14		
Vanadium	10	.95	1.3	0.40	<10
Zinc	20	.33	4	0.50	<20

Associated samples MP19812: MC14519-6, MC14519-7, MC14519-8

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: MC14519
Account: FDG - Shaw Environmental & Infrastructure
Project: NRG Montville Lathrop Rd. Uncasville, CT

QC Batch ID: MP19812
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:

Metal

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC14519
Account: FDG - Shaw Environmental & Infrastructure
Project: NRG Montville Lathrop Rd. Uncasville, CT

QC Batch ID: MP19812
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:		10/09/12					10/09/12		
Metal	BSP Result	Spikelot MPICP	% Rec	QC Limits	BSD Result	Spikelot MPICP	% Rec	BSD RPD	QC Limit
Aluminum									
Antimony	anr								
Arsenic	516	500	103.2	80-120	516	500	103.2	0.0	20
Barium	anr								
Beryllium	513	500	102.6	80-120	502	500	100.4	2.2	20
Boron									
Cadmium	anr								
Calcium									
Chromium	anr								
Cobalt									
Copper	479	500	95.8	80-120	485	500	97.0	1.2	20
Gold									
Iron	anr								
Lead	anr								
Magnesium									
Manganese									
Molybdenum									
Nickel	500	500	100.0	80-120	498	500	99.6	0.4	20
Palladium									
Platinum									
Potassium									
Selenium	anr								
Silicon									
Silver	anr								
Sodium									
Strontium									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	529	500	105.8	80-120	522	500	104.4	1.3	20
Zinc	515	500	103.0	80-120	511	500	102.2	0.8	20

Associated samples MP19812: MC14519-6, MC14519-7, MC14519-8

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC14519
Account: FDG - Shaw Environmental & Infrastructure
Project: NRG Montville Lathrop Rd. Uncasville, CT

QC Batch ID: MP19812
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:

Metal

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: MC14519
Account: FDG - Shaw Environmental & Infrastructure
Project: NRG Montville Lathrop Rd. Uncasville, CT

QC Batch ID: MP19812
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 10/09/12

Metal	MC14633-5F Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony	anr			
Arsenic	0.00	0.00	NC	0-10
Barium	anr			
Beryllium	0.400	0.00	100.0(a)	0-10
Boron				
Cadmium	anr			
Calcium				
Chromium	anr			
Cobalt				
Copper	2.70	16.9	525.9(a)	0-10
Gold				
Iron	anr			
Lead	anr			
Magnesium				
Manganese				
Molybdenum				
Nickel	6.70	8.80	31.3 (a)	0-10
Palladium				
Platinum				
Potassium				
Selenium	anr			
Silicon				
Silver	anr			
Sodium				
Strontium				
Thallium	anr			
Tin				
Titanium				
Tungsten				
Vanadium	0.00	0.00	NC	0-10
Zinc	12.6	17.3	37.3 (a)	0-10

Associated samples MP19812: MC14519-6, MC14519-7, MC14519-8

SERIAL DILUTION RESULTS SUMMARY

Login Number: MC14519
Account: FDG - Shaw Environmental & Infrastructure
Project: NRG Montville Lathrop Rd. Uncasville, CT

QC Batch ID: MP19812
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:

Metal

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

Data Validation Worksheet

Project Name : NRG Montville

Job Number : 1009644007

Date: 11/01/12

Validated By: Kim Napier

11/1/2012

Analyte Group :

Metals Dissolved Arsenic

Analytical Method :

EPA 6010C

Completed Reasonable Confidence Protocols Certification Form Included: Yes

*Question 6 was answered No; Not an issue since select list of elements were requested and not the full TAL metals list

Were all Reasonable Confidence Protocol QA/QC Criteria Followed? Yes

Accutest laboratory certifies that all analysis were performed within method specifications and recommends that the report is to be used in its entirety: Yes

Laboratory ID No. : MC14522

Chain of Custody: Included in Data Package ? Yes

Is it Complete ? Yes

Allowable Holding Time : All Holding times were met.

Method	Extraction	Analysis	Collection Date	Extraction date	Analyzed Date
Metals/6010C	NA	6 months	9/27/2012	NA	10/10/2012

Sample Collection Date : 9/27/2012

Sample temperature above QC limit: No (2.0°)

Laboratory Control Samples

LCS/LCSD

Are all laboratory control sample recoveries within the QC limits ? Yes

If No, list sample ID and compound where limit was exceeded: NA

MS/MSD

Are all MS/MSD sample recoveries within the QC limits ? N/A
If No, list sample ID and compound where limit was exceeded: NA

Serial Dilution
Are all QC criteria met? Yes
If No, list sample ID and compound where limit was exceeded: NA

Equipment Field Blank ID : Equipment Blank
Trip Blank ID : NA
Method Blank: No detects

Were any compounds identified in the method blank, field blank or trip blank above detection limits ? No

If so, list Sample ID/Compound/Concentration/Units:

Sample Analysis Notes by Method:

SW846 6010C
Results flagged by lab w/ "B" qualifiers have been assigned "J" qualifiers.

Sample ID correction N/A

Reviewed By:

KJC

New England ACCUTEST LABORATORIES

10/15/12

Technical Report for

Shaw Environmental & Infrastructure

NRG Montville Lathrop Rd. Uncasville, CT

1009644007-02

Accutest Job Number: MC14522

Sampling Date: 09/27/12

Report to:

Shaw Environmental & Infrastructure
100 Technology Center Drive
Stoughton, MA 02072
andrew.walker@shawgrp.com

ATTN: Andrew Walker

Total number of pages in report: **21**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Reza Tand
Lab Director

Client Service contact: Frank DAgostino 508-481-6200

Certifications: MA (M-MA136,SW846 NELAC) CT (PH-0109) NH (250210) RI (00071) ME (MA00136) FL (E87579) NY (11791) NJ (MA926) PA (6801121) ND (R-188) CO MN (11546AA) NC (653) IL (002337) WI (399080220) ISO 17025:2005 (L2235)

Test results relate only to samples analyzed.

Sections: 1 2 3 4 5 6

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Sample Summary

Shaw Environmental & Infrastructure

Job No: MC14522

NRG Montville Lathrop Rd. Uncasville, CT
Project No: 1009644007-02

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
MC14522-1F	09/27/12	09:00	DL	10/01/12	AQ	Surface H2O Filtered	MONT-SW1
MC14522-2F	09/27/12	08:40	DL	10/01/12	AQ	Surface H2O Filtered	MONT-SW2
MC14522-3F	09/27/12	08:15	DL	10/01/12	AQ	Surface H2O Filtered	MONT-SW3

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	Shaw Environmental & Infrastructure	**Job No**	MC14522
Site:	NRG Montville Lathrop Rd. Uncasville, CT	**Report Date**	10/15/2012 1:53:09 PM

3 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were collected on 09/27/2012 and were received at Accutest on 10/01/2012 properly preserved, at 2 Deg. C and intact. These Samples received an Accutest job number of MC14522. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Metals By Method SW846 6010C

Matrix: AQ **Batch ID:** MP19812

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC14633-5FSDL were used as the QC samples for metals.
- Only Arsenic requested.

The Accutest Laboratories of New England certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety.The Accutest Laboratories of NE, Laboratory Director or assignee as verified by the signature on the cover page has authorized the release of this report(MC14522).

Summary of Hits

Job Number: MC14522
Account: Shaw Environmental & Infrastructure
Project: NRG Montville Lathrop Rd. Uncasville, CT
Collected: 09/27/12

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC14522-1F	**MONT-SW1**					
Arsenic		2.6 B	4.0	1.9	ug/l	SW846 6010C
MC14522-2F	**MONT-SW2**					
Arsenic		3.9 B	4.0	1.9	ug/l	SW846 6010C
MC14522-3F	**MONT-SW3**					
Arsenic		2.7 B	4.0	1.9	ug/l	SW846 6010C

New England ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	MONT-SW1		
Lab Sample ID:	MC14522-1F	**Date Sampled:**	09/27/12
Matrix:	AQ - Surface H2O Filtered	**Date Received:**	10/01/12
		Percent Solids:	n/a
Project:	NRG Montville Lathrop Rd. Uncasville, CT		

Dissolved Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	2.6 B	4.0	1.9	ug/l	1	10/09/12	10/10/12	EAL	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA14819
(2) Prep QC Batch: MP19812

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID: MONT-SW2
Lab Sample ID: MC14522-2F
Matrix: AQ - Surface H2O Filtered
Project: NRG Montville Lathrop Rd. Uncasville, CT

Date Sampled: 09/27/12
Date Received: 10/01/12
Percent Solids: n/a

Dissolved Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	3.9 B	4.0	1.9	ug/l	1	10/09/12	10/10/12	EAL	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA14819
(2) Prep QC Batch: MP19812

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID: MONT-SW3
Lab Sample ID: MC14522-3F
Matrix: AQ - Surface H2O Filtered
Project: NRG Montville Lathrop Rd. Uncasville, CT

Date Sampled: 09/27/12
Date Received: 10/01/12
Percent Solids: n/a

Dissolved Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	2.7 B	4.0	1.9	ug/l	1	10/09/12	10/10/12	EAL	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA14819
(2) Prep QC Batch: MP19812

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

New England ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- RCP Form
- Sample Tracking Chronicle

CHAIN OF CUSTODY

ACCUTEST LABORATORIES

Accutest Laboratories of New England
495 Technology Center West, Building One
TEL. 508-481-6200 FAX: 508-481-7753
www.accutest.com

PAGE 1 OF 1

FED-EX Tracking #: NRG ACCOUNT PRICING
Bottle Order Control #:
Accutest Quote #:
Accutest Job #: MC14522

Client / Reporting Information

Company Name: Shaw Environmental, Inc.
Street Address: 150 Royall Street
City / State / Zip: Canton, MA 02021
Project Contact / E-mail: Ray Cadorette
Phone # / Fax #: 617-589-6102
Sampler(s) Name(s) / Phone #: Daniel Leahy 617-212-8276

Project Information

Project Name: NRG Montville
Street: 74 Lathrop Road
City: Uncasville, CT
Project#: 1009644007-02
Client PO#:
Project Manager: Andrew Walker

Billing Information (If different from Report to)

Company Name:
Street Address:
City / State / Zip:
Attention: PO#:

Requested Analysis (see TEST CODE sheet)

EPA 6010 (Dissolved Arsenic)

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB-Field Blank
EB- Equipment Blank
RB- Rinse Blank
TB-Trip Blank

MC14522

Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	Bisulfite	LAB USE ONLY
-1	~~SW~~ MONT-SW1		9/27/12	0900	DL	SW	1			✓							
-2	MONT-SW2		9/27/12	0840	DL		1			1							
-3	MONT-SW3		9/27/12	0815	DL		1			1							

Lev. GA

Turnaround Time (Business days)

- [x] Std. 10 Business Days
- [ ] Std. 5 Business Days (By Contract only)
- [ ] 5 Day *RUSH*
- [ ] 3 Day *EMERGENCY*
- [ ] 2 Day *EMERGENCY*
- [ ] 1 Day *EMERGENCY*

Emergency & Rush T/A data available VIA Lablink

Approved By (Accutest PM): / Date:

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [x] CT RCP
- [ ] MA MCP
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [x] EDD Format GISKey
- [ ] Other

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary

Comments / Special Instructions

Site specific QAPP. + CTDEP RCP
Detection limits must meet CT GA standards
~~REPORT MDL FOR NRG MW3 ONLY~~ DW

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	Daniel Leahy	9/28/12 1330	V. Smith	V. Smith	10/1/12 1515	FedEx driver
2						
3	Will Cahill	10/1/12 1730	Will Cahill			
4						
5						

Custody Seal # ☐ Intact ☐ Not Intact — Preserved where applicable ☐ — On Ice ☐ — Cooler Temp. 2.0°C

MC14522: Chain of Custody
Page 1 of 2

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: MC14522 **Client:** SHAW **Immediate Client Services Action Required:** No

Date / Time Received: 10/1/2012 **Delivery Method:** **Client Service Action Required at Login:** No

Project: NRG **No. Coolers:** 1 **Airbill #'s:**

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	Infared gun		
3. Cooler media:	Ice (bag)		

Quality Control Preservatio	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☐	☑
2. Trip Blank listed on COC:	☐		☐	☑
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

Reasonable Confidence Protocol
Laboratory Analysis
QA/QC Certification Form

Laboratory Name: **Accutest New England** **Client:** **Shaw Environmental & Infrastructure**

Project Location: **NRG Montville Lathrop Rd. Uncasville, CT** **Project Number:** **1009644007-02**

Sampling Date(s): **9/27/2012**

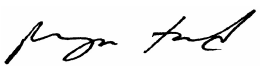
Laboratory Sample ID(s): MC14522-1F, MC14522-2F, MC14522-3F

Methods: SW846 6010C

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CTDEP method-specific Reasonable Confidence Protocol documents)?	Yes ☑ No ☐
1A	Where all the method specified preservation and holding time requirements met?	Yes ☑ No ☐
1B	VPH and EPH mehods only: Was the VPH or EPH method conducted without significant modifications (See section 11.3 of respective methods)	Yes ☐ No ☐ NA ☑
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	Yes ☑ No ☐
3	Were samples received at an appropriate temperature (<6° C)?	Yes ☑ No ☐
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	Yes ☑ No ☐
5	a) Were reporting limits specified or referenced on the chain-of-custody?	Yes ☑ No ☐
	b) Were these reporting limits met?	Yes ☑ No ☐
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	Yes ☐ No ☑
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	Yes ☑ No ☐

Note: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence".

I, the undersigned, attest under pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature:  Position: Lab Director

Printed Name: Reza Tand Date: 10/15/2012

Accutest New England

Internal Sample Tracking Chronicle

Shaw Environmental & Infrastructure

Job No: MC14522

NRG Montville Lathrop Rd. Uncasville, CT
Project No: 1009644007-02

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC14522-1F	Collected: 27-SEP-12 09:00 By: DL			Received: 01-OCT-12 By:		
MONT-SW1						
MC14522-1F	SW846 6010C	10-OCT-12 15:23	EAL	09-OCT-12	DA	AS
MC14522-2F	Collected: 27-SEP-12 08:40 By: DL			Received: 01-OCT-12 By:		
MONT-SW2						
MC14522-2F	SW846 6010C	10-OCT-12 15:28	EAL	09-OCT-12	DA	AS
MC14522-3F	Collected: 27-SEP-12 08:15 By: DL			Received: 01-OCT-12 By:		
MONT-SW3						
MC14522-3F	SW846 6010C	10-OCT-12 15:33	EAL	09-OCT-12	DA	AS

New England ACCUTEST LABORATORIES

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: MC14522
Account: FDG - Shaw Environmental & Infrastructure
Project: NRG Montville Lathrop Rd. Uncasville, CT

QC Batch ID: MP19812
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 10/09/12

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	13	21		
Antimony	6.0	.8	1.7		
Arsenic	4.0	.99	1.9	-0.70	<4.0
Barium	50	.28	.65		
Beryllium	4.0	.13	.28		
Boron	100	.58	.59		
Cadmium	4.0	.19	.19		
Calcium	5000	34	36		
Chromium	10	.6	.83		
Cobalt	50	.15	.4		
Copper	25	.85	1.4		
Gold	50	1.8	2.7		
Iron	100	4.2	11		
Lead	5.0	1.3	2.1		
Magnesium	5000	36	60		
Manganese	15	.05	.54		
Molybdenum	100	.23	1.5		
Nickel	40	.25	.7		
Palladium	50	2.4	7.9		
Platinum	50	6.6	19		
Potassium	5000	45	190		
Selenium	10	1.4	2		
Silicon	100	4.8	8.4		
Silver	5.0	.69	1.3		
Sodium	5000	13	40		
Strontium	10	.11	.35		
Thallium	5.0	.99	1.4		
Tin	100	.34	.75		
Titanium	50	.55	.88		
Tungsten	100	5.9	14		
Vanadium	10	.95	1.3		
Zinc	20	.33	4		

Associated samples MP19812: MC14522-1F, MC14522-2F, MC14522-3F

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: MC14522
Account: FDG - Shaw Environmental & Infrastructure
Project: NRG Montville Lathrop Rd. Uncasville, CT

QC Batch ID: MP19812
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:

Metal

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC14522
Account: FDG - Shaw Environmental & Infrastructure
Project: NRG Montville Lathrop Rd. Uncasville, CT

QC Batch ID: MP19812
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:		10/09/12						10/09/12	
Metal	BSP Result	Spikelot MPICP	% Rec	QC Limits	BSD Result	Spikelot MPICP	% Rec	BSD RPD	QC Limit
Aluminum									
Antimony	anr								
Arsenic	516	500	103.2	80-120	516	500	103.2	0.0	20
Barium	anr								
Beryllium	anr								
Boron									
Cadmium	anr								
Calcium									
Chromium	anr								
Cobalt									
Copper	anr								
Gold									
Iron	anr								
Lead	anr								
Magnesium									
Manganese									
Molybdenum									
Nickel	anr								
Palladium									
Platinum									
Potassium									
Selenium	anr								
Silicon									
Silver	anr								
Sodium									
Strontium									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								
Zinc	anr								

Associated samples MP19812: MC14522-1F, MC14522-2F, MC14522-3F

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC14522
Account: FDG - Shaw Environmental & Infrastructure
Project: NRG Montville Lathrop Rd. Uncasville, CT

QC Batch ID: MP19812
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:

Metal

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: MC14522
Account: FDG - Shaw Environmental & Infrastructure
Project: NRG Montville Lathrop Rd. Uncasville, CT

QC Batch ID: MP19812
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 10/09/12

Metal	MC14633-5F Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony	anr			
Arsenic	0.00	0.00	NC	0-10
Barium	anr			
Beryllium	anr			
Boron				
Cadmium	anr			
Calcium				
Chromium	anr			
Cobalt				
Copper	anr			
Gold				
Iron	anr			
Lead	anr			
Magnesium				
Manganese				
Molybdenum				
Nickel	anr			
Palladium				
Platinum				
Potassium				
Selenium	anr			
Silicon				
Silver	anr			
Sodium				
Strontium				
Thallium	anr			
Tin				
Titanium				
Tungsten				
Vanadium	anr			
Zinc	anr			

Associated samples MP19812: MC14522-1F, MC14522-2F, MC14522-3F

SERIAL DILUTION RESULTS SUMMARY

Login Number: MC14522
Account: FDG - Shaw Environmental & Infrastructure
Project: NRG Montville Lathrop Rd. Uncasville, CT

QC Batch ID: MP19812
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:

Metal

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

ATTACHMENT 2

Graph 1
Average Arsenic Concentration in AOC 12 Groundwater Plume
Montville Power LLC
Montville, CT